

# 附錄



## 附錄一、原始數據

實驗毒物： DMP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (μm3)： 40.69 D (μm)： 4.267 Initial pH： 7.46 EDTA(%)：  
 T(°C)： Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	μspecific	μrelative ( growth rate)			
Control	0.99	7.76	31000	6.77	1.514261	1	0	0	0
441	1.05	1.53	46500	0.48	0.565701	0.37358	0.62642	0.89322	0.92910
294	1.06	1.78	80500	0.72	0.840103	0.55479	0.44521	0.77797	0.89365
196	1.05	2.07	96100	1.02	0.928670	0.61328	0.38672	0.72508	0.84934
130	1.02	4.56	194400	3.54	1.280934	0.84591	0.15409	0.39186	0.47710
87.1	0.99	5.24	246700	4.25	1.400061	0.92458	0.07542	0.21458	0.37223
58.1	1.01	6.62	284500	5.61	1.471342	0.97166	0.02834	0.08644	0.17134
Control	0.95	7.2	308700	6.25	1.512160	1	0	0	0
441	1.14	1.68	47600	0.54	0.577391	0.38183	0.61817	0.88900	0.91360
294	1.09	1.71	79000	0.62	0.830699	0.54935	0.45065	0.78209	0.90080
196	1.09	2.04	90400	0.95	0.898097	0.59392	0.40608	0.74328	0.84800
130	1.01	4.11	181800	3.1	1.247428	0.82493	0.17507	0.43207	0.50400
87.1	1.02	5.21	228200	4.19	1.361086	0.90009	0.09991	0.27409	0.32960
58.1	1.05	7.08	298300	6.03	1.495025	0.98867	0.01133	0.03541	0.03520
Control	0.92	6.63	316200	5.71	1.524162	1	0	0	0
441	1.16	1.72	47100	0.56	0.572111	0.37536	0.62464	0.89343	0.90193
294	1.12	1.72	77500	0.6	0.821114	0.53873	0.46127	0.79250	0.89492
196	1.01	2.01	84700	1	0.865533	0.56787	0.43213	0.76859	0.82487
130	0.97	3.62	169100	2.65	1.211220	0.79468	0.20532	0.48838	0.53590
87.1	1.05	5.18	257800	4.13	1.422067	0.93302	0.06698	0.19389	0.27671
58.1	1.03	6.16	312100	5.13	1.517637	0.99572	0.00428	0.01361	0.10158
Control	0.9533	7.19667	311633.33	6.24333	1.516861	1	0	0	0
441	1.1167	1.64333	47066.67	0.52667	0.571735	0.37693	0.62307	0.89190	0.91564
294	1.0900	1.73667	79000.00	0.64667	0.830639	0.54762	0.45237	0.78425	0.89642
196	1.0500	2.04000	90400.00	0.99000	0.897433	0.59169	0.40793	0.74581	0.84143
130	1.0000	4.09667	181766.67	3.09667	1.246527	0.82184	0.17770	0.43780	0.50400
87.1	1.0200	5.21000	244233.33	4.19000	1.394405	0.91923	0.08033	0.22722	0.32888
58.1	1.0300	6.62000	298300.00	5.59000	1.494668	0.98535	0.01441	0.04495	0.10464

實驗毒物： DEP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (µm<sup>3</sup>)： 38.29 D (µm)： 4.182 Initial pH： 7.54 EDTA(%)： 0  
 T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate)			
Control	2.2	6.01	248600	3.81	1.403897	1	0	0	0
357.52152	2.04	2.31	37700	0.27	0.460805	0.32823	0.67177	0.90283	0.92913
178.76076	2	2.9	54300	0.9	0.643237	0.45818	0.54182	0.83176	0.76378
89.38038	2.03	3.71	93900	1.68	0.917090	0.65325	0.34675	0.66224	0.55906
44.69019	2.09	4.65	146300	2.56	1.138805	0.81117	0.18883	0.43793	0.32808
22.345095	1.95	5.02	211600	3.07	1.323324	0.94261	0.05739	0.15839	0.19423
11.1725475	1.88	5.41	228900	3.53	1.362618	0.97060	0.02940	0.08433	0.07349
Control	1.84	6.02	246300	4.18	1.399250	1	0	0	0
357.52152	2.1	2.2	36200	0.1	0.440504	0.31481	0.68519	0.90834	0.97608
178.76076	1.8	2.25	69300	0.45	0.765197	0.54686	0.45314	0.76524	0.89234
89.38038	2.06	3.81	107900	1.75	0.986577	0.70508	0.29492	0.59836	0.58134
44.69019	1.9	4.03	118400	2.13	1.033009	0.73826	0.26174	0.55296	0.49043
22.345095	1.88	4.92	174900	3.04	1.228082	0.87767	0.12233	0.30869	0.27273
11.1725475	1.96	5.35	209900	3.39	1.319291	0.94286	0.05714	0.15737	0.18900
Control	1.85	5.87	247800	4.02	1.402286	1	0	0	0
357.52152	1.94	2.22	34300	0.28	0.413548	0.29491	0.70509	0.91710	0.93035
178.76076	1.89	2.46	74300	0.57	0.800030	0.57052	0.42948	0.74527	0.85821
89.38038	2	3.96	93800	1.96	0.916557	0.65362	0.34638	0.66151	0.51244
44.69019	2.01	4.58	142900	2.57	1.127047	0.80372	0.19628	0.45060	0.36070
22.345095	1.89	5.15	196100	3.26	1.285287	0.91657	0.08343	0.22208	0.18905
11.1725475	1.95	5.61	238400	3.66	1.382950	0.98621	0.01379	0.04038	0.08955
Control	1.9633	5.96667	247566.67	4.00337	1.401811	1	0	0	0
357.52152	2.0267	2.24333	36066.67	0.21663	0.438286	0.31265	0.68708	0.90942	0.94589
178.76076	1.8967	2.53667	65966.67	0.63997	0.736155	0.52519	0.47172	0.78085	0.84014
89.38038	2.0300	3.82667	98533.33	1.79667	0.940075	0.67065	0.32860	0.64082	0.55121
44.69019	2.0000	4.42000	135866.67	2.42000	1.099620	0.78438	0.21401	0.48029	0.39551
22.345095	1.9067	5.03000	194200.00	3.12330	1.278898	0.91228	0.08660	0.22947	0.21983
11.1725475	1.9300	5.45667	225733.33	3.52667	1.354953	0.96655	0.03293	0.09388	0.11907

實驗毒物： DAP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (μm<sup>3</sup>)： 46.5 D (μm)： 4.462 Initial pH： 7.43 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	μspecific	μrelative ( growth rate)			
Control	0.82	8.36	290800	7.54	1.48229	1	0	0	0
140.42208	1.14	0.91	31200	-0.23	0.36618	0.24704	0.75296	0.94126	1.03050
70.21104	0.91	0.86	76000	-0.05	0.81134	0.54736	0.45264	0.77883	1.00663
35.10552	0.85	1.16	75000	0.31	0.80472	0.54289	0.45711	0.78245	0.95889
17.55276	0.81	3.5	146700	2.69	1.14017	0.76919	0.23081	0.52248	0.64324
8.77638	0.81	7.19	277500	6.38	1.45889	0.98421	0.01579	0.04822	0.15385
2.340368	0.92	8.45	281200	7.53	1.46551	0.98868	0.01132	0.03481	0.00000
Control	0.68	8.58	303500	7.9	1.50367	1	0	0	0
140.42208	1.15	0.98	36600	-0.17	0.44600	0.29661	0.70339	0.92513	1.02152
70.21104	0.9	0.87	63700	-0.03	0.72307	0.48087	0.51913	0.83120	1.00380
35.10552	0.79	1.05	78100	0.26	0.82497	0.54864	0.45136	0.78128	0.96709
17.55276	0.81	3.52	151900	2.71	1.15759	0.76984	0.23016	0.52548	0.65696
8.77638	0.78	7.22	200000	6.44	1.29513	0.86132	0.13868	0.35875	0.18481
2.340368	0.82	8.32	280800	7.5	1.46480	0.97415	0.02585	0.07868	0.05063
Control	0.59	9.3	335900	8.71	1.55438	1	0	0	0
140.42208	1.13	1.1	33900	-0.03	0.40768	0.26228	0.73772	0.94110	1.00344
70.21104	0.87	0.83	74200	-0.04	0.79936	0.51426	0.48574	0.81552	1.00459
35.10552	0.72	1.18	72000	0.46	0.78431	0.50458	0.49542	0.82237	0.94719
17.55276	0.81	3.37	120500	2.56	1.04180	0.67023	0.32977	0.67124	0.70608
8.77638	0.83	7.25	251000	6.42	1.40870	0.90628	0.09372	0.26457	0.26292
2.340368	0.82	8.08	266600	7.26	1.43885	0.92567	0.07433	0.21596	0.16648
Control	0.69667	8.74667	310066.67	8.05000	1.51345	1	0	0	0
140.42208	1.14000	0.99667	33900.00	-0.14333	0.40662	0.26864	0.73079	0.93595	1.01781
70.21104	0.89333	0.85333	71300.00	-0.04000	0.77792	0.51416	0.48531	0.80920	1.00497
35.10552	0.78667	1.13000	75033.33	0.34333	0.80467	0.53204	0.46846	0.79654	0.95735
17.55276	0.81000	3.46333	139700.00	2.65333	1.11319	0.73642	0.26324	0.57738	0.67039
8.77638	0.80667	7.22000	242833.33	6.41333	1.38757	0.91727	0.08070	0.22786	0.20331
2.340368	0.85333	8.28667	276200.00	7.43333	1.45638	0.96283	0.03819	0.11478	0.07660

實驗毒物： DPP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (µm<sup>3</sup>)： 45.64 D (µm)： 4.434 Initial pH： 7.56 EDTA(%)： 0  
 T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	2.37	6.6	221200	4.23	1.345509	1	0	0	0
37.186	2.43	2.68	26300	0.25	0.280759	0.20866	0.79134	0.94520	0.94090
18.593	2.36	2.98	56600	0.62	0.663979	0.49348	0.50652	0.79825	0.85343
9.297	2.43	3.95	86800	1.52	0.877778	0.65238	0.34762	0.65179	0.64066
4.648	2.34	5.69	191600	3.35	1.273680	0.94662	0.05338	0.14355	0.20804
2.324	2.38	5.78	204900	3.4	1.307236	0.97156	0.02844	0.07905	0.19622
1.162	2.43	6.48	231100	4.05	1.367400	1.01627	-0.01627	-0.04801	0.04255
Control	2.3	6.84	226700	4.54	1.357789	1	0	0	0
37.186	2.41	2.65	26000	0.24	0.275023	0.20255	0.79745	0.94804	0.94714
18.593	2.39	3	40000	0.61	0.490415	0.36119	0.63881	0.88191	0.86564
9.297	2.33	3.79	55200	1.46	0.651456	0.47979	0.52021	0.81011	0.67841
4.648	2.37	5.65	183500	3.28	1.252082	0.92215	0.07785	0.20406	0.27753
2.324	2.35	5.79	202900	3.44	1.302332	0.95916	0.04084	0.11242	0.24229
1.162	2.43	6.24	223900	3.81	1.351575	0.99542	0.00458	0.01323	0.16079
Control	2.39	6.72	215800	4.33	1.333151	1	0	0	0
37.186	2.46	2.6	26900	0.14	0.292038	0.21906	0.78094	0.94074	0.96767
18.593	2.37	3	52900	0.63	0.630177	0.47270	0.52730	0.81125	0.85450
9.297	2.37	4.05	90400	1.68	0.898097	0.67366	0.32634	0.62450	0.61201
4.648	2.36	5.57	196600	3.21	1.286561	0.96505	0.03495	0.09562	0.25866
2.324	2.39	5.76	203900	3.37	1.304790	0.97873	0.02127	0.05926	0.22171
1.162	2.38	6.57	238400	4.19	1.382950	1.03735	-0.03735	-0.11255	0.03233
Control	2.3533	6.72000	221233.33	4.36667	1.345483	1	0	0	0
37.186	2.4333	2.64333	26400.00	0.21000	0.282607	0.21009	0.78994	0.94472	0.95191
18.593	2.3733	2.99333	49833.33	0.62000	0.594857	0.44245	0.55386	0.83110	0.85802
9.297	2.3767	3.93000	77466.67	1.55333	0.809111	0.60194	0.38993	0.69711	0.64427
4.648	2.3567	5.63667	190566.67	3.28000	1.270774	0.94461	0.05545	0.14870	0.24885
2.324	2.3733	5.77667	203900.00	3.40333	1.304786	0.96981	0.03032	0.08405	0.22061
1.162	2.4133	6.43000	231133.33	4.01667	1.367308	1.01635	-0.01627	-0.04800	0.08015

實驗毒物： DiBP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 41.09 D (µm)： 4.281 Initial pH： 7.42 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	2.57	7.26	237500	4.69	1.381059	1	0	0	0
10.383	2.73	2.65	34500	-0.08	0.416455	0.30155	0.69845	0.91236	1.01706
5.191	2.7	2.91	52700	0.21	0.628283	0.45493	0.54507	0.83056	0.95522
2.596	2.63	3.08	94600	0.45	0.920804	0.66674	0.33326	0.64225	0.90405
1.298	2.65	4.12	116800	1.47	1.026206	0.74306	0.25694	0.54247	0.68657
0.649	2.67	6.68	228000	4.01	1.360648	0.98522	0.01478	0.04270	0.14499
0.324	2.72	7.16	214600	4.44	1.330363	0.96329	0.03671	0.10292	0.05330
Control	2.58	7.41	236100	4.83	1.378103	1	0	0	0
10.383	2.66	2.73	34700	0.07	0.419345	0.30429	0.69571	0.91090	0.98551
5.191	2.61	2.84	49600	0.23	0.597970	0.43391	0.56609	0.84351	0.95238
2.596	2.69	3.25	91300	0.56	0.903050	0.65529	0.34471	0.65491	0.88406
1.298	2.63	4.34	114400	1.71	1.015825	0.73712	0.26288	0.55043	0.64596
0.649	2.68	6.67	182600	3.99	1.249624	0.90677	0.09323	0.24197	0.17391
0.324	2.73	7.07	201300	4.34	1.298373	0.94215	0.05785	0.15739	0.10145
Control	2.57	7.55	234800	4.98	1.375342	1	0	0	0
10.383	2.77	2.79	34300	0.02	0.413548	0.30069	0.69931	0.91219	0.99598
5.191	2.65	2.89	55800	0.24	0.656862	0.47760	0.52240	0.81438	0.95181
2.596	2.65	3.1	88000	0.45	0.884643	0.64322	0.35678	0.66788	0.90964
1.298	2.64	4.13	115600	1.49	1.021043	0.74239	0.25761	0.54231	0.70080
0.649	2.62	6.8	205300	4.18	1.308211	0.95119	0.04881	0.13421	0.16064
0.324	2.66	7.12	207900	4.46	1.314503	0.95576	0.04424	0.12238	0.10442
Control	2.5733	7.40667	236133.33	4.83333	1.378168	1	0	0	0
10.383	2.7200	2.72333	34500.00	0.00333	0.416449	0.30218	0.69782	0.91182	0.99931
5.191	2.6533	2.88000	52700.00	0.22667	0.627705	0.45548	0.54412	0.82951	0.95310
2.596	2.6567	3.14333	91300.00	0.48667	0.902832	0.65508	0.34475	0.65496	0.89931
1.298	2.6400	4.19667	115600.00	1.55667	1.021025	0.74086	0.25913	0.54507	0.67793
0.649	2.6567	6.71667	205300.00	4.06000	1.306161	0.94773	0.05076	0.13943	0.16000
0.324	2.7033	7.11667	207933.33	4.41333	1.314413	0.95373	0.04614	0.12752	0.08690

實驗毒物： DBP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (μm<sup>3</sup>)： 46.59 D (μm)： 4.464 Initial pH： 7.52 EDTA(%)： 0  
 T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	μspecific	μrelative ( growth rate) (Biomass) (DO)			
Control	1.7	6.92	347000	5.22	1.57064	1	0	0	0
10.647	1.81	1.96	41800	0.15	0.51242	0.32625	0.67375	0.91928	0.97126
4.259	1.73	1.82	58500	0.09	0.68049	0.43326	0.56674	0.86898	0.98276
1.704	1.77	2.35	66600	0.58	0.74533	0.47454	0.52546	0.84458	0.88889
0.681	1.75	3.72	146200	1.97	1.13846	0.72484	0.27516	0.60482	0.62261
0.272	1.79	5.6	280700	3.81	1.46462	0.93250	0.06750	0.19970	0.27011
0.109	1.81	6.26	318100	4.45	1.52716	0.97232	0.02768	0.08705	0.14751
0.043	1.7	6.8	344900	5.1	1.56760	0.99807	0.00193	0.00633	0.02299
Control	1.74	7.19	330900	5.45	1.54688	1	0	0	0
10.647	1.88	1.95	40300	0.07	0.49415	0.31945	0.68055	0.91991	0.98716
4.259	1.79	1.82	54600	0.03	0.64599	0.41761	0.58239	0.87464	0.99450
1.704	1.76	2.4	80000	0.64	0.83699	0.54108	0.45892	0.79424	0.88257
0.681	1.77	3.73	130500	1.96	1.08166	0.69925	0.30075	0.63438	0.64037
0.272	1.77	5.6	279800	3.83	1.46301	0.94578	0.05422	0.16176	0.29725
0.109	1.79	6.31	308800	4.52	1.51232	0.97766	0.02234	0.06996	0.17064
0.043	1.78	6.74	329400	4.96	1.54461	0.99853	0.00147	0.00475	0.08991
Control	1.67	7.45	363200	5.78	1.59345	1	0	0	0
10.647	1.94	1.97	41200	0.03	0.50519	0.31704	0.68296	0.92476	0.99481
4.259	1.79	1.8	50700	0.01	0.60894	0.38215	0.61785	0.89747	0.99827
1.704	1.74	2.29	73300	0.55	0.79326	0.49782	0.50218	0.83257	0.90484
0.681	1.77	3.89	148800	2.12	1.14728	0.71999	0.28001	0.61574	0.63322
0.272	1.74	5.71	294200	3.97	1.48810	0.93389	0.06611	0.19816	0.31315
0.109	1.78	6.36	327400	4.58	1.54157	0.96744	0.03256	0.10281	0.20761
0.043	1.8	6.67	356800	4.87	1.58456	0.99442	0.00558	0.01838	0.15744
Control	1.70333	7.18667	347033.33	5.48333	1.57032	1	0	0	0
10.647	1.87667	1.96000	41100.00	0.08333	0.50392	0.32091	0.67913	0.92139	0.98480
4.259	1.77000	1.81333	54600.00	0.04333	0.64514	0.41101	0.58872	0.88073	0.99210
1.704	1.75667	2.34667	73300.00	0.59000	0.79186	0.50448	0.49496	0.82442	0.89240
0.681	1.76333	3.78000	141833.33	2.01667	1.12247	0.71470	0.28483	0.61801	0.63222
0.272	1.76667	5.63667	284900.00	3.87000	1.47191	0.93739	0.06280	0.18713	0.29422
0.109	1.79333	6.31000	318100.00	4.51667	1.52702	0.97247	0.02771	0.08714	0.17629
0.043	1.76000	6.73667	343700.00	4.97667	1.56559	0.99701	0.00307	0.01004	0.09240

實驗毒物： DAmP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 43.45 D (µm)： 4.362 Initial pH： 7.59 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	1.06	5.93	239100	4.87	1.38442	1	0	0	0
2.000	1.09	1.84	46600	0.75	0.56678	0.40940	0.59060	0.85899	0.84600
0.800	1.07	1.97	68700	0.9	0.76085	0.54958	0.45042	0.76037	0.81520
0.320	1.04	3.18	115900	2.14	1.02234	0.73846	0.26154	0.54975	0.56057
0.128	1.06	3.78	164000	2.72	1.19591	0.86384	0.13616	0.33512	0.44148
0.051	1.09	4.73	210100	3.64	1.31977	0.95330	0.04670	0.12941	0.25257
0.021	1.12	4.99	227400	3.87	1.35933	0.98188	0.01812	0.05221	0.20534
Control	1.03	6.29	255500	5.26	1.41759	1	0	0	0
2.000	1.06	1.81	53600	0.75	0.63675	0.44918	0.55082	0.83950	0.85741
0.800	1.06	2.22	68000	1.16	0.75573	0.53311	0.46689	0.77963	0.77947
0.320	1.08	2.98	124400	1.9	1.05773	0.74615	0.25385	0.54511	0.63878
0.128	1.06	3.61	169900	2.55	1.21358	0.85609	0.14391	0.35593	0.51521
0.051	1.09	4.73	203500	3.64	1.30381	0.91974	0.08026	0.21622	0.30798
0.021	1.11	4.78	232100	3.67	1.36956	0.96612	0.03388	0.09730	0.30228
Control	1.02	6.11	237900	5.09	1.38190	1	0	0	0
2.000	1.04	1.74	46400	0.7	0.56462	0.40859	0.59141	0.85913	0.86248
0.800	1.07	1.93	69300	0.86	0.76520	0.55373	0.44627	0.75639	0.83104
0.320	1.07	2.72	107400	1.65	0.98425	0.71225	0.28775	0.58546	0.67583
0.128	1.06	3.77	167000	2.71	1.20497	0.87197	0.12803	0.31808	0.46758
0.051	1.06	4.4	204800	3.34	1.30699	0.94579	0.05421	0.14850	0.34381
0.021	1.19	5.67	236800	4.48	1.37958	0.99832	0.00168	0.00493	0.11984
Control	1.03667	6.11000	244166.67	5.07333	1.39463	1	0	0	0
2.000	1.06333	1.79667	48866.67	0.73333	0.58938	0.42239	0.57666	0.85222	0.85545
0.800	1.06667	2.04000	68666.67	0.97333	0.76059	0.54547	0.45472	0.76582	0.80815
0.320	1.06333	2.96000	115900.00	1.89667	1.02144	0.73229	0.26709	0.55971	0.62615
0.128	1.06000	3.72000	166966.67	2.66000	1.20482	0.86396	0.13623	0.33687	0.47569
0.051	1.08000	4.62000	206133.33	3.54000	1.31019	0.93961	0.06070	0.16596	0.30223
0.021	1.14000	5.14667	232100.00	4.00667	1.36949	0.98211	0.01817	0.05265	0.21025



實驗毒物： DPHP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (μm<sup>3</sup>)： 38.99 D (μm)： 4.207 Initial pH： 7.59 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	μspecific	μrelative ( growth rate) (Biomass) (DO)			
Control	1.41	6.42	215400	5.01	1.33222	1	0	0	0
3.844	1.58	2.21	38900	0.63	0.47647	0.35765	0.64235	0.88074	0.87425
1.428	1.47	2.13	61200	0.66	0.70305	0.52773	0.47227	0.76946	0.86826
0.528	1.42	2.19	72500	0.77	0.78777	0.59132	0.40868	0.71307	0.84631
0.196	1.47	2.48	84800	1.01	0.86612	0.65013	0.34987	0.65170	0.79840
0.073	1.5	4.84	162300	3.34	1.19070	0.89377	0.10623	0.26497	0.33333
0.027	1.53	6.21	197100	4.68	1.28783	0.96668	0.03332	0.09132	0.06587
Control	1.41	6.46	209200	5.05	1.31762	1	0	0	0
3.844	1.64	2.22	32200	0.58	0.38196	0.28988	0.71012	0.91143	0.88515
1.428	1.41	2.28	60700	0.87	0.69895	0.53046	0.46954	0.76468	0.82772
0.528	1.39	2.21	68700	0.82	0.76085	0.57744	0.42256	0.72348	0.83762
0.196	1.39	2.61	80500	1.22	0.84010	0.63759	0.36241	0.66272	0.75842
0.073	1.45	4.85	163100	3.4	1.19316	0.90554	0.09446	0.23738	0.32673
0.027	1.43	6.34	205900	4.91	1.30967	0.99397	0.00603	0.01699	0.02772
Control	1.32	6.44	212300	5.12	1.32498	1	0	0	0
3.844	1.66	2.23	38200	0.57	0.46739	0.35276	0.64724	0.88241	0.88867
1.428	1.51	2.22	61600	0.71	0.70631	0.53307	0.46693	0.76381	0.86133
0.528	1.49	2.22	65200	0.73	0.73470	0.55450	0.44550	0.74557	0.85742
0.196	1.43	2.73	79700	1.3	0.83511	0.63028	0.36972	0.67207	0.74609
0.073	1.5	4.86	163900	3.36	1.19560	0.90236	0.09764	0.24531	0.34375
0.027	1.43	6.31	198700	4.88	1.29187	0.97502	0.02498	0.06893	0.04688
Control	1.38000	6.44000	212300.00	5.06000	1.32494	1	0	0	0
3.844	1.62667	2.22000	36433.33	0.59333	0.44194	0.33343	0.66511	0.89137	0.88274
1.428	1.46333	2.21000	61166.67	0.74667	0.70277	0.53042	0.46959	0.76601	0.85244
0.528	1.43333	2.20667	68800.00	0.77333	0.76111	0.57442	0.42521	0.72732	0.84717
0.196	1.43000	2.60667	81666.67	1.17667	0.84711	0.63934	0.36052	0.66211	0.76746
0.073	1.48333	4.85000	163100.00	3.36667	1.19315	0.90056	0.09949	0.24937	0.33465
0.027	1.46333	6.28667	200566.67	4.82333	1.29646	0.97855	0.02145	0.05947	0.04677

實驗毒物： DHP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (µm<sup>3</sup>)： 39.95 D (µm)： 4.2066 Initial pH： 7.54 EDTA(%)： 0  
 T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	1.43	6.89	209500	5.46	1.31834	1	0	0	0
0.900	1.39	1.99	33700	0.6	0.40472	0.30700	0.69300	0.90386	0.89011
0.225	1.38	2.34	40500	0.96	0.49663	0.37671	0.62329	0.86889	0.82418
0.056	1.37	3.21	71600	1.84	0.78152	0.59281	0.40719	0.70900	0.66300
0.014	1.37	6.12	166100	4.75	1.20227	0.91196	0.08804	0.22314	0.13004
0.004	1.4	6.56	189200	5.16	1.26738	0.96135	0.03865	0.10437	0.05495
Control	1.38	7.29	191400	5.91	1.27316	1	0	0	0
0.900	1.42	2.05	24500	0.63	0.24531	0.19268	0.80732	0.94615	0.89340
0.225	1.36	2.36	42600	1	0.52190	0.40993	0.59007	0.84354	0.83080
0.056	1.44	3.63	82500	2.19	0.85237	0.66950	0.33050	0.61735	0.62944
0.014	1.43	6	167200	4.57	1.20557	0.94691	0.05309	0.13719	0.22673
0.004	1.38	6.25	181000	4.87	1.24522	0.97806	0.02194	0.05896	0.17597
Control	1.31	7.68	200500	6.37	1.29638	1	0	0	0
0.900	1.35	1.94	34900	0.59	0.42222	0.32569	0.67431	0.89272	0.90738
0.225	1.32	2.45	44700	1.13	0.54596	0.42114	0.57886	0.83989	0.82261
0.056	1.34	3.73	83700	2.39	0.85959	0.66307	0.33693	0.62965	0.62480
0.014	1.39	6.06	165000	4.67	1.19895	0.92484	0.07516	0.19137	0.26688
0.004	1.37	5.94	197300	4.57	1.28834	0.99379	0.00621	0.01725	0.28257
Control	1.37333	7.28667	200466.67	5.91333	1.29596	1	0	0	0
0.900	1.38667	1.99333	31033.33	0.60667	0.35742	0.27512	0.71958	0.91355	0.89741
0.225	1.35333	2.38333	42600.00	1.03000	0.52150	0.40259	0.59739	0.85119	0.82582
0.056	1.38333	3.52333	79266.67	2.14000	0.83116	0.64179	0.35788	0.65349	0.63811
0.014	1.39667	6.06000	166100.00	4.66333	1.20226	0.92790	0.07254	0.18530	0.21139
0.004	1.38333	6.25000	197266.67	4.86667	1.28712	0.99301	0.00621	0.01725	0.17700

實驗毒物： BBP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (μm<sup>3</sup>)： 40.72 D (μm)： 4.269 Initial pH： 7.4 EDTA(%)： 0  
 T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO		IR	IR	IR
				mg/L	μspecific			
Control	1.07	7.23	273100	6.16	1.45089	1	0	0
2.818	1.01	1.47	39000	0.46	0.47776	0.32928	0.67072	0.90701
0.939	0.89	1.52	48000	0.63	0.58158	0.40084	0.59916	0.87214
0.310	0.88	4.1	97200	3.22	0.93436	0.64399	0.35601	0.68152
0.103	0.95	7.16	226900	6.21	1.35823	0.93613	0.06387	0.17900
0.034	0.98	7.79	216500	6.81	1.33477	0.91996	0.08004	0.21929
0.011	1.04	7.69	254000	6.65	1.41464	0.97501	0.02499	0.07400
0.004	1.02	7.71	244000	6.69	1.39456	0.96117	0.03883	0.11275
Control	0.96	7.51	278100	6.55	1.45997	1	0	0
2.818	1.08	1.47	40200	0.39	0.49291	0.33762	0.66238	0.90422
0.939	0.97	1.62	40200	0.65	0.49291	0.33762	0.66238	0.90422
0.310	0.92	3.75	106800	2.83	0.98145	0.67224	0.32776	0.65108
0.103	0.89	7.13	232200	6.24	1.36977	0.93822	0.06178	0.17446
0.034	0.97	7.76	193400	6.79	1.27836	0.87561	0.12439	0.32193
0.011	0.97	7.78	235300	6.81	1.37641	0.94277	0.05723	0.16268
0.004	0.95	7.53	243800	6.58	1.39415	0.95492	0.04508	0.13037
Control	0.86	7.6	283000	6.74	1.46870	1	0	0
2.818	1.1	1.35	39600	0.25	0.48539	0.33049	0.66951	0.90821
0.939	0.92	1.64	41000	0.72	0.50276	0.34232	0.65768	0.90299
0.310	0.93	3.62	103000	2.69	0.96334	0.65591	0.34409	0.67164
0.103	0.84	7.18	221600	6.34	1.34641	0.91674	0.08326	0.22910
0.034	0.91	7.72	215900	6.81	1.33338	0.90787	0.09213	0.25037
0.011	0.97	7.6	235700	6.63	1.37725	0.93774	0.06226	0.17649
0.004	0.97	7.62	243900	6.65	1.39435	0.94938	0.05062	0.14590
Control	0.96333	7.44667	278066.67	6.48333	1.45985	1	0	0
2.818	1.06333	1.43000	39600.00	0.36667	0.48535	0.33246	0.66752	0.90649
0.939	0.92667	1.59333	43066.67	0.66667	0.52575	0.36026	0.63878	0.89331
0.310	0.91000	3.82333	102333.33	2.91333	0.95972	0.65738	0.34236	0.66802
0.103	0.89333	7.15667	226900.00	6.26333	1.35814	0.93037	0.06965	0.19450
0.034	0.95333	7.75667	208600.00	6.80333	1.31550	0.90115	0.09845	0.26406
0.011	0.99333	7.69000	241666.67	6.69667	1.38943	0.95184	0.04805	0.13837
0.004	0.98000	7.62000	243900.00	6.64000	1.39435	0.95516	0.04490	0.12988

實驗毒物： B2EHP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 38.78 D (µm)： 4.199 Initial pH： 7.58 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	1.07	5.24	281900	4.17	1.46675	1	0	0	0
21.008	1.17	1.94	-	0.77	-	-	-	1.05620	0.81535
10.504	1.14	2.76	-	1.62	-	-	-	1.05620	0.61151
3.001	1.12	3.73	112300	2.61	1.00656	0.68625	0.31375	0.63544	0.37410
0.858	1.07	4.18	161000	3.11	1.18668	0.80905	0.19095	0.45298	0.25420
0.245	1.03	4.25	239300	3.22	1.38483	0.94415	0.05585	0.15961	0.22782
0.070	1.09	4.81	231300	3.72	1.36783	0.93256	0.06744	0.18958	0.10791
0.020	1.11	5.02	260100	3.91	1.42651	0.97256	0.02744	0.08168	0.06235
Control	1.12	6.28	302500	5.16	1.50202	1	0	0	0
21.008	1.22	2.01	-	0.79	-	-	-	1.05217	0.84690
10.504	1.14	2.79	-	1.65	-	-	-	1.05217	0.68023
3.001	1.15	4.19	145300	3.04	1.13538	0.75590	0.24410	0.54678	0.41085
0.858	1.06	4.32	194400	3.26	1.28093	0.85281	0.14719	0.37600	0.36822
0.245	1.04	5.09	231600	4.05	1.36848	0.91110	0.08890	0.24661	0.21512
0.070	1	5.76	239500	4.76	1.38525	0.92226	0.07774	0.21913	0.07752
0.020	1.12	6.04	277500	4.92	1.45889	0.97129	0.02871	0.08696	0.04651
Control	1.06	5.76	261800	4.7	1.42977	1	0	0	0
21.008	1.11	1.86	-	0.75	-	-	-	1.06078	0.84043
10.504	1.12	3.09	-	1.97	-	-	-	1.06078	0.58085
3.001	1.04	4.01	118300	2.97	1.03259	0.72221	0.27779	0.58144	0.36809
0.858	1.09	4.03	172200	2.94	1.22030	0.85350	0.14650	0.36305	0.37447
0.245	1.04	5.01	223800	3.97	1.35135	0.94516	0.05484	0.15397	0.15532
0.070	1.13	5.11	247600	3.98	1.40188	0.98050	0.01950	0.05754	0.15319
0.020	1.06	5.13	258200	4.07	1.42284	0.99516	0.00484	0.01459	0.13404
Control	1.08333	5.76000	282066.67	4.67667	1.46618	1	0	0	0
21.008	1.16667	1.93667	-	0.77000	-	-	-	1.05617	0.83535
10.504	1.13333	2.88000	-	1.74667	-	-	-	1.05617	0.62651
3.001	1.10333	3.97667	125300.00	2.87333	1.05817	0.72145	0.27655	0.58699	0.38560
0.858	1.07333	4.17667	175866.67	3.10333	1.22930	0.83845	0.16101	0.39765	0.33642
0.245	1.03667	4.78333	231566.67	3.74667	1.36822	0.93347	0.06724	0.18909	0.19886
0.070	1.07333	5.22667	239466.67	4.15333	1.38499	0.94511	0.05580	0.15951	0.11190
0.020	1.09667	5.39667	265266.67	4.30000	1.43608	0.97967	0.02093	0.06291	0.08054

實驗毒物： BMOEP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (μm<sup>3</sup>)： 41.55 D (μm)： 4.297 Initial pH： 7.57 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO		IR	IR	IR
				mg/L	μspecific			
Control	1.59	6.72	227900	5.13	1.36043	1	0	0
1293.612	1.77	2.25	30200	0.48	0.34990	0.25720	0.74280	0.92860
862.416	1.69	2.52	38500	0.83	0.47130	0.34644	0.65356	0.88962
570.397	1.66	3.1	66200	1.44	0.74232	0.54565	0.45435	0.75951
383.293	1.6	4.19	129400	2.59	1.07743	0.79198	0.20802	0.46266
255.529	1.57	4.72	181600	3.15	1.24688	0.91653	0.08347	0.21747
170.353	1.57	5.08	200700	3.51	1.29688	0.95329	0.04671	0.12776
85.176	1.58	6.03	226700	4.45	1.35779	0.99806	0.00194	0.00564
Control	1.56	6.86	221000	5.3	1.34506	1	0	0
1293.612	1.71	2.04	34900	0.33	0.42222	0.31390	0.68610	0.90340
862.416	1.62	2.52	41100	0.9	0.50398	0.37469	0.62531	0.87330
570.397	1.65	3.01	76100	1.36	0.81200	0.60369	0.39631	0.70340
383.293	1.61	4.52	161900	2.91	1.18946	0.88432	0.11568	0.28689
255.529	1.65	4.84	178100	3.19	1.23715	0.91977	0.08023	0.20825
170.353	1.59	5.33	199900	3.74	1.29488	0.96270	0.03730	0.10243
85.176	1.58	6.02	228200	4.44	1.36109	1.01192	-0.01192	-0.03495
Control	1.56	6.08	225300	4.52	1.35469	1	0	0
1293.612	1.75	2.23	31400	0.48	0.36938	0.27267	0.72733	0.92202
862.416	1.68	2.72	37100	1.04	0.45278	0.33423	0.66577	0.89491
570.397	1.65	3.04	78500	1.39	0.82752	0.61086	0.38914	0.69805
383.293	1.58	3.88	120200	2.3	1.04055	0.76811	0.23189	0.49976
255.529	1.54	4.68	186300	3.14	1.25965	0.92985	0.07015	0.18545
170.353	1.54	5.01	197900	3.47	1.28986	0.95214	0.04786	0.13029
85.176	1.51	5.8	237000	4.29	1.38000	1.01869	-0.01869	-0.05563
Control	1.57000	6.55333	224733.33	4.98333	1.35339	1	0	0
1293.612	1.74333	2.17333	32166.67	0.43000	0.38050	0.28126	0.71817	0.91815
862.416	1.66333	2.58667	38900.00	0.92333	0.47602	0.35179	0.64795	0.88605
570.397	1.65333	3.05000	73600.00	1.39667	0.79395	0.58673	0.41238	0.72060
383.293	1.59667	4.19667	137166.67	2.60000	1.10248	0.81480	0.18239	0.41751
255.529	1.58667	4.74667	182000.00	3.16000	1.24789	0.92205	0.07792	0.20375
170.353	1.56667	5.14000	199500.00	3.57333	1.29387	0.95604	0.04400	0.12031
85.176	1.55667	5.95000	230633.33	4.39333	1.36629	1.00955	-0.00957	-0.02813

實驗毒物： BEOEP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 38.53 D (µm)： 4.19 Initial pH： 7.45 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO		IR µrelative ( growth rate)	IR (Biomass)	IR (DO)
				mg/L	µspecific			
Control	1.08	5.93	315700	4.85	1.52337	1	0	0
360.909	1.16	0.4	32200	-0.76	0.38196	0.25073	0.74927	0.94280
180.454	1.13	0.74	68500	-0.39	0.75939	0.49849	0.50151	0.82208
90.227	1.16	1.64	139600	0.48	1.11537	0.73217	0.26783	0.58563
45.114	1.16	3.31	253000	2.15	1.41267	0.92733	0.07267	0.20851
22.557	1.13	3.87	296100	2.74	1.49132	0.97896	0.02104	0.06518
11.278	1.14	4.95	301400	3.81	1.50019	0.98479	0.01521	0.04756
5.639	1.16	5.24	315400	4.08	1.52290	0.99969	0.00031	0.00100
Control	1.04	5.94	311600	4.9	1.51684	1	0	0
360.909	1.19	0.5	41100	-0.69	0.50398	0.33226	0.66774	0.91200
180.454	1.16	0.87	58700	-0.29	0.68219	0.44975	0.55025	0.85266
90.227	1.1	1.76	125700	0.66	1.06292	0.70075	0.29925	0.62677
45.114	1.11	3.22	258300	2.11	1.42304	0.93816	0.06184	0.17970
22.557	1.12	4.17	300500	3.05	1.49870	0.98804	0.01196	0.03742
11.278	1.14	4.47	310500	3.33	1.51507	0.99883	0.00117	0.00371
5.639	1.12	5.41	293500	4.29	1.48691	0.98027	0.01973	0.06102
Control	1.06	5.92	310100	4.86	1.51442	1	0	0
360.909	1.17	0.36	36700	-0.81	0.44736	0.29540	0.70460	0.92647
180.454	1.11	0.93	63400	-0.18	0.72071	0.47590	0.52410	0.83599
90.227	1.1	1.6	138000	0.5	1.10960	0.73269	0.26731	0.58319
45.114	1.14	3.03	263600	1.89	1.43319	0.94636	0.05364	0.15757
22.557	1.11	4.1	304500	2.99	1.50531	0.99398	0.00602	0.01898
11.278	1.13	4.32	307300	3.19	1.50989	0.99701	0.00299	0.00949
5.639	1.11	5.33	306200	4.22	1.50809	0.99582	0.00418	0.01322
Control	1.06000	5.93000	312466.67	4.87000	1.51821	1	0	0
360.909	1.17333	0.42000	36666.67	-0.75333	0.44443	0.29280	0.70564	0.92716
180.454	1.13333	0.84667	63533.33	-0.28667	0.72076	0.47471	0.52460	0.83684
90.227	1.12000	1.66667	134433.33	0.54667	1.09596	0.72187	0.27777	0.59850
45.114	1.13667	3.18667	258300.00	2.05000	1.42297	0.93728	0.06270	0.18209
22.557	1.12000	4.04667	300366.67	2.92667	1.49844	0.98700	0.01301	0.04068
11.278	1.13667	4.58000	306400.00	3.44333	1.50838	0.99354	0.00646	0.02039
5.639	1.13000	5.32667	305033.33	4.19667	1.50597	0.99193	0.00793	0.02499

實驗毒物： BBOEP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 42.35 D (µm)： 4.331 Initial pH： 7.42 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	0.64	5.73	261100	5.09	1.428427	1	0	0	0
11.624	0.63	0.92	24200	0.29	0.239151	0.16742	0.83258	0.96262	0.94303
3.875	0.65	1.71	31700	1.06	0.374133	0.26192	0.73808	0.93214	0.79175
1.292	0.56	3.79	152300	3.23	1.158901	0.81131	0.18869	0.44210	0.36542
0.431	0.61	4.93	229300	4.32	1.363490	0.95454	0.04546	0.12922	0.15128
0.144	0.6	5.22	243700	4.62	1.393944	0.97586	0.02414	0.07070	0.09234
0.048	0.55	5.63	256700	5.08	1.419929	0.99405	0.00595	0.01788	0.00196
Control	0.51	5.62	267000	5.11	1.439599	1	0	0	0
11.624	0.63	0.84	19100	0.21	0.120819	0.08393	0.91607	0.98373	0.95890
3.875	0.61	1.78	34200	1.17	0.412088	0.28625	0.71375	0.92381	0.77104
1.292	0.61	3.59	135700	2.98	1.101198	0.76493	0.23507	0.52103	0.41683
0.431	0.59	5.28	226400	4.69	1.357127	0.94271	0.05729	0.16111	0.08219
0.144	0.58	5.34	249900	4.76	1.406505	0.97701	0.02299	0.06786	0.06849
0.048	0.59	5.6	254300	5.01	1.415232	0.98307	0.01693	0.05040	0.01957
Control	0.51	5.68	255200	5.17	1.416999	1	0	0	0
11.624	0.65	0.83	25100	0.18	0.257409	0.18166	0.81834	0.95795	0.96518
3.875	0.61	1.72	36700	1.11	0.447363	0.31571	0.68429	0.90966	0.78530
1.292	0.6	3.51	155600	2.91	1.169619	0.82542	0.17458	0.41465	0.43714
0.431	0.58	4.57	221700	3.99	1.346637	0.95034	0.04966	0.13947	0.22824
0.144	0.54	5.46	243100	4.92	1.392711	0.98286	0.01714	0.05037	0.04836
0.048	0.6	5.7	252000	5.1	1.410689	0.99555	0.00445	0.01332	0.01354
Control	0.5533	5.67667	261100.00	5.12333	1.428342	1	0	0	0
11.624	0.6367	0.86333	22800.00	0.22667	0.205793	0.14434	0.85344	0.96831	0.95576
3.875	0.6233	1.73667	34200.00	1.11333	0.411195	0.28796	0.71151	0.92198	0.78269
1.292	0.5900	3.63000	147866.67	3.04000	1.143239	0.80056	0.19903	0.46011	0.40664
0.431	0.5933	4.92667	225800.00	4.33333	1.355752	0.94920	0.05084	0.14344	0.15420
0.144	0.5733	5.34000	245566.67	4.76667	1.397720	0.97858	0.02147	0.06312	0.06962
0.048	0.5800	5.64333	254333.33	5.06333	1.415284	0.99089	0.00919	0.02750	0.01171

實驗毒物： DEtP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 43.08 D (µm)： 4.35 Initial pH： 7.52 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	1.01	7.68	315800	6.67	1.52353	1	0	0	0
90.219	1.14	1.2	37900	0.06	0.46345	0.30420	0.69580	0.92387	0.99100
45.109	1.11	1.25	48900	0.14	0.59086	0.38783	0.61217	0.88730	0.97901
22.555	1.09	1.46	55900	0.37	0.65776	0.43173	0.56827	0.86403	0.94453
11.277	1.07	2.51	76900	1.44	0.81723	0.53640	0.46360	0.79422	0.78411
5.639	1	4.36	190300	3.36	1.27028	0.83377	0.16623	0.41722	0.49625
2.819	1.05	5.58	257200	4.53	1.42090	0.93264	0.06736	0.19481	0.32084
1.410	1.07	6.15	290700	5.08	1.48212	0.97282	0.02718	0.08344	0.23838
Control	0.99	7.56	342800	6.57	1.56455	1	0	0	0
90.219	1.12	1.19	35300	0.07	0.42792	0.27351	0.72649	0.93807	0.98935
45.109	1.1	1.22	45000	0.12	0.54931	0.35110	0.64890	0.90848	0.98174
22.555	1.06	1.47	57300	0.41	0.67013	0.42832	0.57168	0.87096	0.93760
11.277	1.05	2.52	73700	1.47	0.79598	0.50876	0.49124	0.82093	0.77626
5.639	1.05	4.4	162200	3.35	1.19039	0.76085	0.23915	0.55095	0.49011
2.819	1.05	5.45	255600	4.4	1.41778	0.90619	0.09381	0.26602	0.33029
1.410	1.01	6.26	285500	5.25	1.47310	0.94155	0.05845	0.17480	0.20091
Control	0.99	7.81	354500	6.82	1.58133	1	0	0	0
90.219	1.12	1.21	36600	0.09	0.44600	0.28204	0.71796	0.93638	0.98680
45.109	1.08	1.24	47000	0.16	0.57105	0.36112	0.63888	0.90574	0.97654
22.555	1.08	1.54	58700	0.46	0.68219	0.43141	0.56859	0.87128	0.93255
11.277	1.05	2.5	80200	1.45	0.83824	0.53008	0.46992	0.80795	0.78739
5.639	1.02	4.38	176300	3.36	1.23207	0.77913	0.22087	0.52489	0.50733
2.819	1.07	5.7	256400	4.63	1.41934	0.89756	0.10244	0.28895	0.32111
1.410	1.05	6.03	295800	4.98	1.49082	0.94276	0.05724	0.17290	0.26979
Control	0.99667	7.68333	337700.00	6.68667	1.55647	1	0	0	0
90.219	1.12667	1.20000	36600.00	0.07333	0.44579	0.28658	0.71356	0.93306	0.98903
45.109	1.09667	1.23667	46966.67	0.14000	0.57041	0.36668	0.63348	0.90094	0.97906
22.555	1.07667	1.49000	57300.00	0.41333	0.67003	0.43049	0.56962	0.86892	0.93819
11.277	1.05667	2.51000	76933.33	1.45333	0.81715	0.52508	0.47501	0.80808	0.78265
5.639	1.02333	4.38000	176266.67	3.35667	1.23091	0.79125	0.20878	0.50026	0.49801
2.819	1.05667	5.57667	256400.00	4.52000	1.41934	0.91213	0.08844	0.25194	0.32403
1.410	1.04333	6.14667	290666.67	5.10333	1.48201	0.95238	0.04816	0.14575	0.23679



實驗毒物： DATP in DMSO 初始細胞密度(cells/mL)： 15000  
 MCV (μm<sup>3</sup>)： 42.82 D (μm)： 4.34 Initial pH： 7.46 EDTA(%)： 0  
 T(°C)： 24 Test duration： 48-h

Conc	Initial DO	Final DO	Final cells	Delta DO			IR	IR	IR
mg/L	mg/L	mg/L	cells/ml	mg/L	μspecific	μrelative ( growth rate)	(Biomass)	(DO)	
Control	0.81	5.95	310100	5.14	1.51442	1	0	0	0
29.889	0.93	1.16	29000	0.23	0.32962	0.21766	0.78234	0.95256	0.95525
9.963	0.86	1.24	40600	0.38	0.49786	0.32875	0.67125	0.91325	0.92607
3.321	0.87	2.51	109000	1.64	0.99165	0.65480	0.34520	0.68146	0.68093
1.107	0.87	4.08	166500	3.21	1.20347	0.79467	0.20533	0.48661	0.37549
0.369	0.83	5.15	271000	4.32	1.44703	0.95550	0.04450	0.13250	0.15953
0.123	0.82	5.47	265900	4.65	1.43754	0.94923	0.05077	0.14978	0.09533
0.041	0.84	5.79	297900	4.95	1.49435	0.98675	0.01325	0.04134	0.03696
Control	0.76	6.3	324100	5.54	1.53650	1	0	0	0
29.889	0.96	1.05	28200	0.09	0.31564	0.20543	0.79457	0.95730	0.98375
9.963	0.9	1.41	44900	0.51	0.54819	0.35678	0.64322	0.90327	0.90794
3.321	0.85	2.18	99700	1.33	0.94706	0.61637	0.38363	0.72598	0.75993
1.107	0.89	3.91	167400	3.02	1.20617	0.78501	0.21499	0.50696	0.45487
0.369	0.85	5.14	284500	4.29	1.47134	0.95759	0.04241	0.12811	0.22563
0.123	0.8	5.32	310800	4.52	1.51555	0.98636	0.01364	0.04303	0.18412
0.041	0.81	6.17	309500	5.36	1.51345	0.98500	0.01500	0.04723	0.03249
Control	0.75	5.24	326400	4.49	1.54004	1	0	0	0
29.889	0.97	1.04	27300	0.07	0.29942	0.19442	0.80558	0.96050	0.98441
9.963	0.9	1.19	45100	0.29	0.55042	0.35740	0.64260	0.90334	0.93541
3.321	0.84	2.56	90400	1.72	0.89810	0.58317	0.41683	0.75787	0.61693
1.107	0.81	3.54	167000	2.73	1.20497	0.78243	0.21757	0.51188	0.39198
0.369	0.84	5.06	279100	4.22	1.46176	0.94917	0.05083	0.15189	0.06013
0.123	0.82	5.12	289200	4.3	1.47953	0.96071	0.03929	0.11946	0.04232
0.041	0.79	5.33	303700	4.54	1.50400	0.97660	0.02340	0.07290	-0.01114
Control	0.77333	5.83000	320200.00	5.05667	1.53032	1	0	0	0
29.889	0.95333	1.08333	28166.67	0.13000	0.31489	0.20583	0.79415	0.95686	0.97429
9.963	0.88667	1.28000	43533.33	0.39333	0.53216	0.34764	0.65191	0.90651	0.92221
3.321	0.85333	2.41667	99700.00	1.56333	0.94560	0.61811	0.38119	0.72248	0.69084
1.107	0.85667	3.84333	166966.67	2.98667	1.20487	0.78737	0.21273	0.50208	0.40936
0.369	0.84000	5.11667	278200.00	4.27667	1.46005	0.95409	0.04594	0.13761	0.15425
0.123	0.81333	5.30333	288633.33	4.49000	1.47754	0.96544	0.03391	0.10343	0.11206
0.041	0.81333	5.76333	303700.00	4.95000	1.50393	0.98278	0.01728	0.05406	0.02109

實驗毒物： DMNtP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 41.81 D (µm)： 4.306 Initial pH： 7.67 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate) (Biomass) (DO)			
Control	1.03	5.19	226500	4.16	1.35735	1	0	0	0
50.054	1.05	0.91	35200	-0.14	0.42650	0.31421	0.68579	0.90449	1.03365
20.022	1.05	0.9	52800	-0.15	0.62923	0.46357	0.53643	0.82128	1.03606
8.009	0.96	1.57	64300	0.61	0.72775	0.53616	0.46384	0.76690	0.85337
3.203	1.01	3.46	178500	2.45	1.23827	0.91227	0.08773	0.22695	0.41106
1.281	0.97	4.84	237800	3.87	1.38169	1.01793	-0.01793	-0.05343	0.06971
0.513	0.9	4.9	232800	4	1.37106	1.01011	-0.01011	-0.02979	0.03846
0.205	1.04	5.1	247400	4.06	1.40148	1.03251	-0.03251	-0.09882	0.02404
Control	0.91	4.99	208500	4.08	1.31594	1	0	0	0
50.054	1.07	1.31	33200	0.24	0.39725	0.30187	0.69813	0.90594	0.94118
20.022	1.04	1.07	63900	0.03	0.72463	0.55066	0.44934	0.74729	0.99265
8.009	0.96	1.56	69100	0.6	0.76375	0.58038	0.41962	0.72041	0.85294
3.203	1	3.96	186500	2.96	1.26019	0.95763	0.04237	0.11370	0.27451
1.281	0.99	4.75	229800	3.76	1.36458	1.03696	-0.03696	-0.11008	0.07843
0.513	1.01	4.78	235500	3.77	1.37683	1.04627	-0.04627	-0.13953	0.07598
0.205	0.88	4.87	230400	3.99	1.36588	1.03795	-0.03795	-0.11318	0.02206
Control	0.9	4.8	226500	3.9	1.35735	1	0	0	0
50.054	1.1	0.84	31200	-0.26	0.36618	0.26978	0.73022	0.92340	1.06667
20.022	0.99	1.11	62300	0.12	0.71196	0.52452	0.47548	0.77636	0.96923
8.009	0.96	1.33	78900	0.37	0.83007	0.61154	0.38846	0.69787	0.90513
3.203	0.98	3.37	175800	2.39	1.23065	0.90666	0.09334	0.23972	0.38718
1.281	0.98	4.66	225100	3.68	1.35425	0.99772	0.00228	0.00662	0.05641
0.513	0.99	4.83	230000	3.84	1.36501	1.00565	-0.00565	-0.01655	-0.03333
0.205	0.95	4.84	240300	3.89	1.38692	1.02179	-0.02179	-0.06525	0.00256
Control	0.94667	4.99333	220500.00	4.04667	1.34355	1	0	0	0
50.054	1.07333	1.02000	33200.00	-0.05333	0.39664	0.29529	0.70441	0.91144	1.01318
20.022	1.02667	1.02667	59666.67	0.00000	0.68861	0.51292	0.48631	0.78264	1.00000
8.009	0.96000	1.48667	70766.67	0.52667	0.77386	0.57603	0.42283	0.72863	0.86985
3.203	0.99667	3.59667	180266.67	2.60000	1.24304	0.92552	0.07495	0.19578	0.35750
1.281	0.98000	4.75000	230900.00	3.77000	1.36684	1.01754	-0.01715	-0.05061	0.06837
0.513	0.96667	4.90000	232766.67	3.93333	1.37097	1.02067	-0.02014	-0.05969	0.02801
0.205	0.95667	4.93667	239366.67	3.98000	1.38476	1.03075	-0.03054	-0.09181	0.01647

實驗毒物： DMAtP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (µm<sup>3</sup>)： 42.23 D (µm)： 4.321 Initial pH： 7.54 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	µspecific	µrelative ( growth rate)			
Control	1.91	5.16	253900	3.25	1.41445	1	0	0	0
10.039	1.93	1.71	33100	-0.22	0.39574	0.27979	0.72021	0.92424	1.06769
8.031	1.92	1.84	58600	-0.08	0.68134	0.48170	0.51830	0.81750	1.02462
6.023	1.91	2.07	57500	0.16	0.67187	0.47500	0.52500	0.82210	0.95077
4.016	1.9	2.63	118000	0.73	1.03132	0.72913	0.27087	0.56886	0.77538
2.008	1.91	3.37	170700	1.46	1.21593	0.85965	0.14035	0.34826	0.55077
1.004	1.86	4.5	240400	2.64	1.38713	0.98069	0.01931	0.05651	0.18769
0.502	1.88	4.76	244900	2.88	1.39640	0.98724	0.01276	0.03767	0.11385
Control	1.87	5.1	265500	3.23	1.43678	1	0	0	0
10.039	1.99	1.67	43400	-0.32	0.53120	0.36972	0.63028	0.88663	1.09907
8.031	1.91	1.76	38600	-0.15	0.47260	0.32893	0.67107	0.90579	1.04644
6.023	1.9	2.31	61900	0.41	0.70873	0.49328	0.50672	0.81277	0.87307
4.016	1.91	2.7	109400	-0.79	0.99348	0.69146	0.30854	0.62315	0.75542
2.008	1.88	3.47	158400	1.59	1.17854	0.82026	0.17974	0.42754	0.50774
1.004	1.9	4.38	236800	2.48	1.37958	0.96019	0.03981	0.11457	0.23220
0.502	1.92	4.84	246100	2.92	1.39884	0.97359	0.02641	0.07745	0.09598
Control	1.83	4.95	246000	3.12	1.39864	1	0	0	0
10.039	1.97	1.57	35600	-0.4	0.43215	0.30898	0.69102	0.91082	1.12821
8.031	1.92	1.92	43500	0	0.53236	0.38062	0.61938	0.87662	1.00000
6.023	1.92	2.09	74600	0.15	0.80205	0.57345	0.42655	0.74199	0.95192
4.016	1.94	2.6	100100	0.7	0.94906	0.67856	0.32144	0.63160	0.77564
2.008	1.9	3.49	124800	1.67	1.05933	0.75740	0.24260	0.52468	0.46474
1.004	1.82	4.26	233300	2.36	1.37214	0.98105	0.01895	0.05498	0.24359
0.502	1.9	4.49	241600	2.62	1.38962	0.99355	0.00645	0.01905	0.16026
Control	1.87000	5.07000	255133.33	3.20000	1.41662	1	0	0	0
10.039	1.96333	1.65000	37366.67	-0.31333	0.45303	0.31949	0.67791	0.90686	1.09792
8.031	1.91667	1.84000	46900.00	-0.07667	0.56210	0.39709	0.59772	0.86716	1.02396
6.023	1.91667	2.15667	64666.67	0.24000	0.72755	0.51391	0.48436	0.79317	0.92500
4.016	1.90333	2.64333	109166.67	0.74000	0.99129	0.69972	0.29957	0.60786	0.76875
2.008	1.87000	3.44333	151300.00	1.57333	1.15127	0.81244	0.18439	0.43240	0.50833
1.004	1.88667	4.38000	236833.33	2.49333	1.37962	0.97398	0.02627	0.07621	0.22083
0.502	1.90000	4.69667	244200.00	2.79667	1.39495	0.98480	0.01546	0.04553	0.12604

實驗毒物： DMNiP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (μm<sup>3</sup>)： 40.26 D (μm)： 4.252 Initial pH： 7.58 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	μspecific	μrelative ( growth rate) (Biomass) (DO)			
Control	1.02	8.34	317200	7.32	1.52574	1	0	0	0
9.600	1.02	1.76	43500	0.74	0.53236	0.34892	0.65108	0.90569	0.89891
4.800	1.02	2.38	85800	1.36	0.87198	0.57152	0.42848	0.76572	0.81421
2.400	0.95	4.31	140000	3.36	1.11680	0.73197	0.26803	0.58637	0.54098
1.200	0.93	5.62	253100	4.69	1.41287	0.92602	0.07398	0.21211	0.35929
0.600	0.95	6.28	282600	5.33	1.46799	0.96215	0.03785	0.11449	0.27186
0.300	0.98	6.93	281900	5.95	1.46675	0.96134	0.03866	0.11681	0.18716
0.150	0.96	7.49	303700	6.53	1.50400	0.98575	0.01425	0.04467	0.10792
Control	0.93	8.05	316700	7.12	1.52495	1	0	0	0
9.600	1.03	1.53	50700	0.5	0.60894	0.39932	0.60068	0.88167	0.92978
4.800	0.98	2.51	86300	1.53	0.87489	0.57372	0.42628	0.76367	0.78511
2.400	0.97	3.87	142200	2.9	1.12459	0.73746	0.26254	0.57839	0.59270
1.200	0.97	5.51	237500	4.54	1.38106	0.90564	0.09436	0.26251	0.36236
0.600	0.96	6.49	287800	5.53	1.47711	0.96863	0.03137	0.09579	0.22331
0.300	0.99	6.69	304100	5.7	1.50465	0.98669	0.01331	0.04176	0.19944
0.150	0.99	7.63	316400	6.64	1.52448	0.99969	0.00031	0.00099	0.06742
Control	0.92	7.75	326300	6.83	1.53988	1	0	0	0
9.600	1.08	1.52	51800	0.44	0.61967	0.40241	0.59759	0.88179	0.93558
4.800	0.96	2.33	85200	1.37	0.86848	0.56399	0.43601	0.77449	0.79941
2.400	0.96	3.35	165900	2.39	1.20167	0.78036	0.21964	0.51526	0.65007
1.200	0.96	5.4	231500	4.44	1.36826	0.88855	0.11145	0.30453	0.34993
0.600	0.98	6.39	293900	5.41	1.48759	0.96604	0.03396	0.10408	0.20791
0.300	0.97	6.67	319900	5.7	1.52998	0.99357	0.00643	0.02056	0.16545
0.150	0.98	7.56	310050	6.58	1.51434	0.98341	0.01659	0.05220	0.03660
Control	0.95667	8.04667	320066.67	7.09000	1.53019	1	0	0	0
9.600	1.04333	1.60333	48666.67	0.56000	0.58699	0.38355	0.61544	0.88964	0.92102
4.800	0.98667	2.40667	85766.67	1.42000	0.87178	0.56974	0.43029	0.76803	0.79972
2.400	0.96000	3.84333	149366.67	2.88333	1.14769	0.74993	0.24902	0.55955	0.59332
1.200	0.95333	5.51000	240700.00	4.55667	1.38740	0.90674	0.09312	0.26016	0.35731
0.600	0.96333	6.38667	288100.00	5.42333	1.47756	0.96561	0.03438	0.10479	0.23507
0.300	0.98000	6.76333	301966.67	5.78333	1.50046	0.98053	0.01902	0.05933	0.18430
0.150	0.97667	7.56000	310050.00	6.58333	1.51427	0.98962	0.01039	0.03283	0.07146

實驗毒物： DMAiP in DMSO 初始細胞密度(cells/mL)： 15000

MCV (μm<sup>3</sup>)： 42.29 D (μm)： 4.323 Initial pH： 7.45 EDTA(%)： 0

T(°C)： 24 Test duration： 48-h

Conc mg/L	Initial DO mg/L	Final DO mg/L	Final cells cells/ml	Delta DO			IR	IR	IR
				mg/L	μspecific	μrelative ( growth rate) (Biomass) (DO)			
Control	1.45	4.54	238100	3.09	1.38232	1	0	0	0
2.657	1.52	1.86	42400	0.34	0.51955	0.37585	0.62415	0.87719	0.88997
1.063	1.49	2.55	94800	1.06	0.92186	0.66689	0.33311	0.64231	0.65696
0.425	1.45	3.33	157900	1.88	1.17696	0.85143	0.14857	0.35948	0.39159
0.166	1.45	3.75	196200	2.3	1.28554	0.92999	0.07001	0.18781	0.25566
0.068	1.45	3.89	223400	2.44	1.35046	0.97695	0.02305	0.06589	0.21036
0.027	1.42	3.93	210100	2.51	1.31977	0.95475	0.04525	0.12550	0.18770
0.011	1.48	4.01	213500	2.53	1.32779	0.96055	0.03945	0.11026	0.18123
Control	1.35	4.67	264400	3.32	1.43471	1	0	0	0
2.657	1.54	1.83	52300	0.29	0.62447	0.43526	0.56474	0.85044	0.91265
1.063	1.51	2.54	91100	1.03	0.90195	0.62867	0.37133	0.69487	0.68976
0.425	1.47	3.1	152800	1.63	1.16054	0.80890	0.19110	0.44747	0.50904
0.166	1.47	3.79	206600	2.32	1.31137	0.91403	0.08597	0.23176	0.30120
0.068	1.41	3.82	214000	2.41	1.32896	0.92630	0.07370	0.20209	0.27410
0.027	1.44	3.99	225200	2.55	1.35447	0.94407	0.05593	0.15718	0.23193
0.011	1.47	4.14	237600	2.67	1.38127	0.96275	0.03725	0.10746	0.19578
Control	1.37	4.56	236800	3.19	1.37958	1	0	0	0
2.657	1.57	1.82	47400	0.25	0.57529	0.41700	0.58300	0.85392	0.92163
1.063	1.48	2.45	96100	0.97	0.92867	0.67315	0.32685	0.63436	0.69592
0.425	1.47	3.19	131300	1.72	1.08472	0.78626	0.21374	0.47565	0.46082
0.166	1.42	3.92	198300	2.5	1.29087	0.93569	0.06431	0.17358	0.21630
0.068	1.46	4.01	203600	2.55	1.30405	0.94525	0.05475	0.14968	0.20063
0.027	1.4	4.05	214900	2.65	1.33106	0.96483	0.03517	0.09874	0.16928
0.011	1.46	4.44	243600	2.98	1.39374	1.01026	-0.01026	-0.03066	0.06583
Control	1.39000	4.59000	246433.33	3.20000	1.39887	1	0	0	0
2.657	1.54333	1.83667	47366.67	0.29333	0.57310	0.40937	0.58919	0.86015	0.90833
1.063	1.49333	2.51333	94000.00	1.02000	0.91749	0.65624	0.34433	0.65865	0.68125
0.425	1.46333	3.20667	147333.33	1.74333	1.14074	0.81553	0.18378	0.42820	0.45521
0.166	1.44667	3.82000	200366.67	2.37333	1.29592	0.92657	0.07393	0.19905	0.25833
0.068	1.44000	3.90667	213666.67	2.46667	1.32782	0.94950	0.05097	0.14158	0.22917
0.027	1.42000	3.99000	216733.33	2.57000	1.33510	0.95455	0.04588	0.12833	0.19688
0.011	1.47000	4.19667	231566.67	2.72667	1.36760	0.97786	0.02223	0.06424	0.14792

附錄二、三個不同參數下低濃度抑制值

	DO				FY				GR			
	NOEC	LOEC	EC10	NEC	NOEC	LOEC	EC10	NEC	NOEC	LOEC	EC10	NEC
DMP	<43.9	43.9	61.0	98.7	65.8	98.8	102	130	98.8	148	142	143
DEP	<11.2	11.2	8.72	35.6	11.2	22.3	4.93	16.3	11.2	22.3	18.0	22.4
DAP	<2.34	2.34	4.38	13.9	2.34	8.78	2.65	5.53	2.34	8.78	5.09	7.98
DPP	<1.16	1.16	1.62	3.99	2.32	4.65	2.73	3.55	4.65	9.30	2.99	4.56
DiBP	<0.324	0.324	0.406	0.566	<0.324	0.324	0.278	0.491	<0.324	0.324	0.560	0.791
DBP	0.0430	0.109	0.0559	0.299	0.0430	0.109	0.0950	0.137	0.109	0.272	0.120	0.205
DAmP	<0.0210	0.0210	0.00320	0.0273	<0.0210	0.0210	0.0290	0.0419	0.0210	0.0510	0.0792	0.0830
DPHP	<0.0270	0.0270	0.00700	0.0169	<0.0270	0.0270	0.0110	0.0219	0.0270	0.0730	0.0170	0.0311
DHP	<0.00400	0.00400	0.00239	0.00774	0.00400	0.0140	0.00500	0.00696	0.0140	0.0560	0.00677	0.0113
BBP	0.103	0.310	0.0648	0.103	<0.00400	0.00400	0.00500	0.0558	<0.00400	0.00400	0.0245	0.0764
B2EHP	0.0700	0.245	0.0523	0.0528	0.0200	0.0700	0.0460	0.114	0.0200	0.0700	0.336	0.134
BMOEP	<170	170	61.0	243	<170	170	176	223	170	256	253	304
BEOEP	<5.64	5.64	3.49	43.7	22.6	45.1	26.2	36.5	22.6	45.1	41.8	44.8
BBOEP	0.144	0.431	0.228	0.507	0.0480	0.144	0.301	0.406	0.431	1.29	0.623	0.540
DEtP	<1.41	1.41	0.560	3.52	<1.41	1.41	0.989	1.42	<1.41	1.41	1.43	2.20
DAtP	0.0410	0.123	0.126	0.463	0.0410	0.123	0.138	0.311	0.123	0.369	0.453	0.484
DMNtP	1.28	3.20	1.36	3.74	1.28	3.20	1.20	1.54	1.281	3.20	1.23	1.795
DMAtP	<0.502	0.502	0.437	3.84	1.00	2.01	0.779	1.03	1.00	2.01	1.60	1.21
DMNiP	<0.150	0.150	0.177	0.593	0.300	0.600	0.507	0.644	0.600	1.20	1.09	0.749
DMAiP	<0.0110	0.0110	0.0107	0.148	0.0110	0.0270	0.0310	0.133	0.0270	0.0680	0.161	0.168

附錄三、 三個終點參數下之 ACR 值

	DO			FY			GR		
	EC50/LOEC	EC50/EC10	EC50/NEC	EC50/LOEC	EC50/EC10	EC50/NEC	EC50/LOEC	EC50/EC10	EC50/NEC
DMP	4.06	2.92	1.81	2.34	2.26	1.78	2.81	2.93	2.91
DEP	5.64	7.22	1.77	2.48	11.3	3.40	8.02	9.96	8.00
DAP	5.59	2.99	1.51	1.80	5.95	2.85	6.20	10.7	6.82
DPP	5.69	4.08	1.66	1.65	2.81	2.16	1.59	4.95	3.24
DiBP	3.25	2.6	1.86	4.52	5.28	2.98	13.8	7.96	5.63
DBP	3.99	7.78	1.45	5.59	6.42	4.44	9.54	21.6	12.7
DAmP	7	45.9	5.38	12.4	9.03	6.21	23.3	15.00	14.3
DPHP	4.08	15.7	6.52	6.63	16.6	8.17	15.5	66.5	36.4
DHP	9.25	15.5	4.78	3.00	8.64	6.03	2.84	23.5	14.1
BBP	0.896	4.29	2.70	27.0	21.0	1.94	168	27.6	8.84
B2EHP	14.5	68	67.4	25.3	38.1	15.5	-	-	-
BMOEP	2.02	5.63	1.42	2.46	2.38	1.88	2.80	2.83	2.35
BEOEP	5.12	8.27	7.35	1.78	3.07	2.20	4.01	4.33	4.04
BBOEP	3.68	6.95	3.13	9.20	4.40	3.26	2.06	4.28	4.94
DEtP	3.31	8.32	1.32	4.03	5.74	4.00	14.4	14.2	9.23
DAtP	12	11.8	3.19	9.93	8.85	3.93	14.8	12.0	11.2
DMNtP	1.23	2.89	1.05	1.94	5.16	4.03	5.38	14.0	9.60
DMAtP	3.83	4.39	2.00	1.36	3.50	2.65	3.11	3.91	5.17
DMNiP	10.8	9.18	2.74	3.64	4.30	3.39	5.23	5.76	8.38
DMAiP	37.3	38.2	2.77	18.70	16.1	3.80	30.6	12.9	12.4
AVG.	7.16	13.6	6.09	7.29	9.05	4.23	17.6	13.9	9.48