Supplementary materials

Table S1　The fitted results by Weibull function and its some statistics for the GTPs - ACE binary mixtures

Table S2　The fitted results by Weibull function and its some statistics for the GTPs - DIQ binary mixtures

Figure. S1　The observed concentration-effect data with 95% OCIs, fitted CRCs and predicted curves by CA of representative rays for GTPs-ACE mixture systems (●: observed data; —: fitted curve; —: predicted curve by CA; ---: 95% OCI)
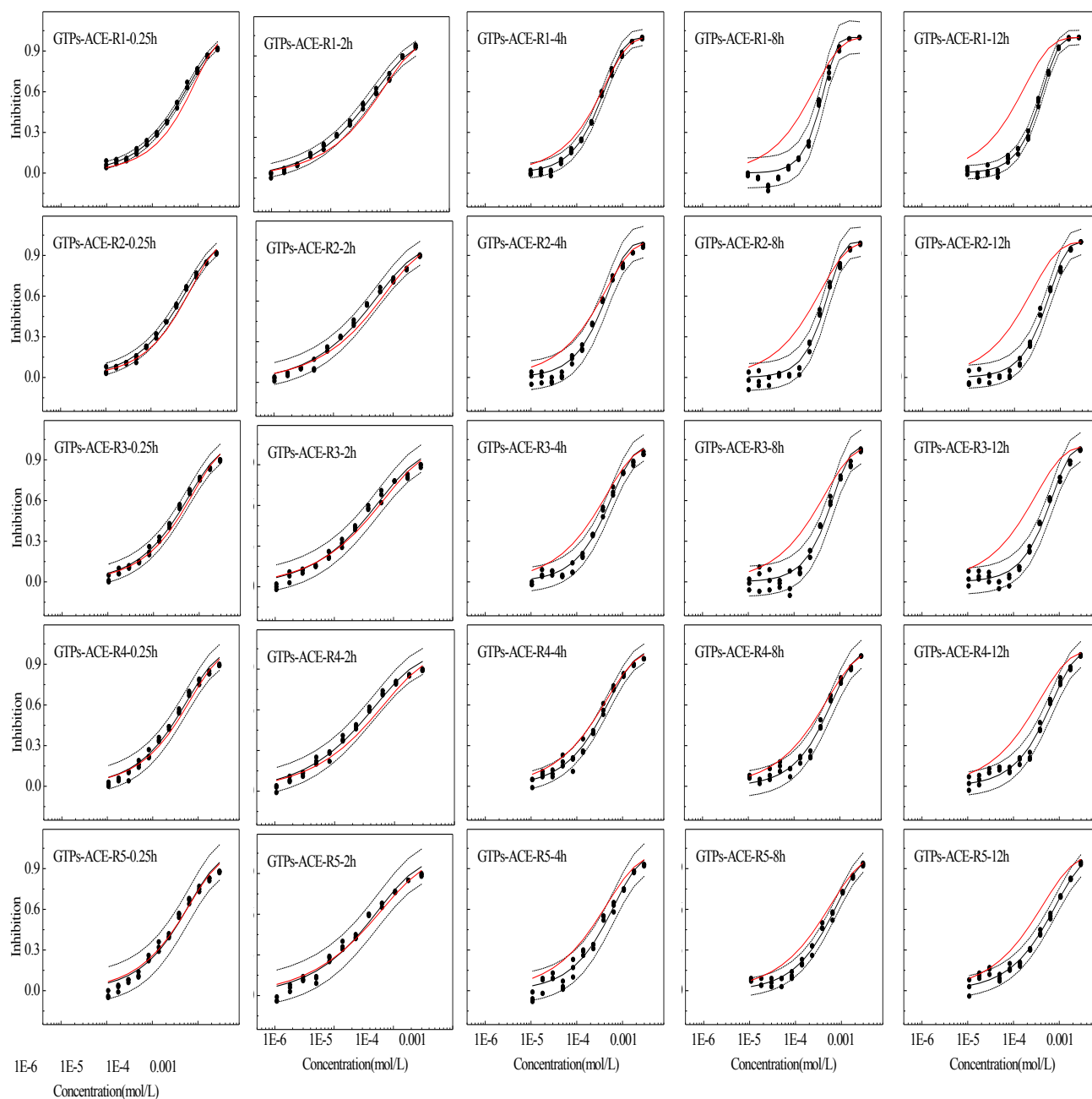
Figure S2　The observed concentration-effect data with 95% OCIs, fitted CRCs and predicted curves by CA of representative rays for GTPs-DIQ mixture systems (●: observed data; —: fitted curve; —: predicted curve by CA; ---: 95% OCI).

Table S1　The fitted results by Weibull function and its some statistics for the GTPs - ACE

binary mixtures

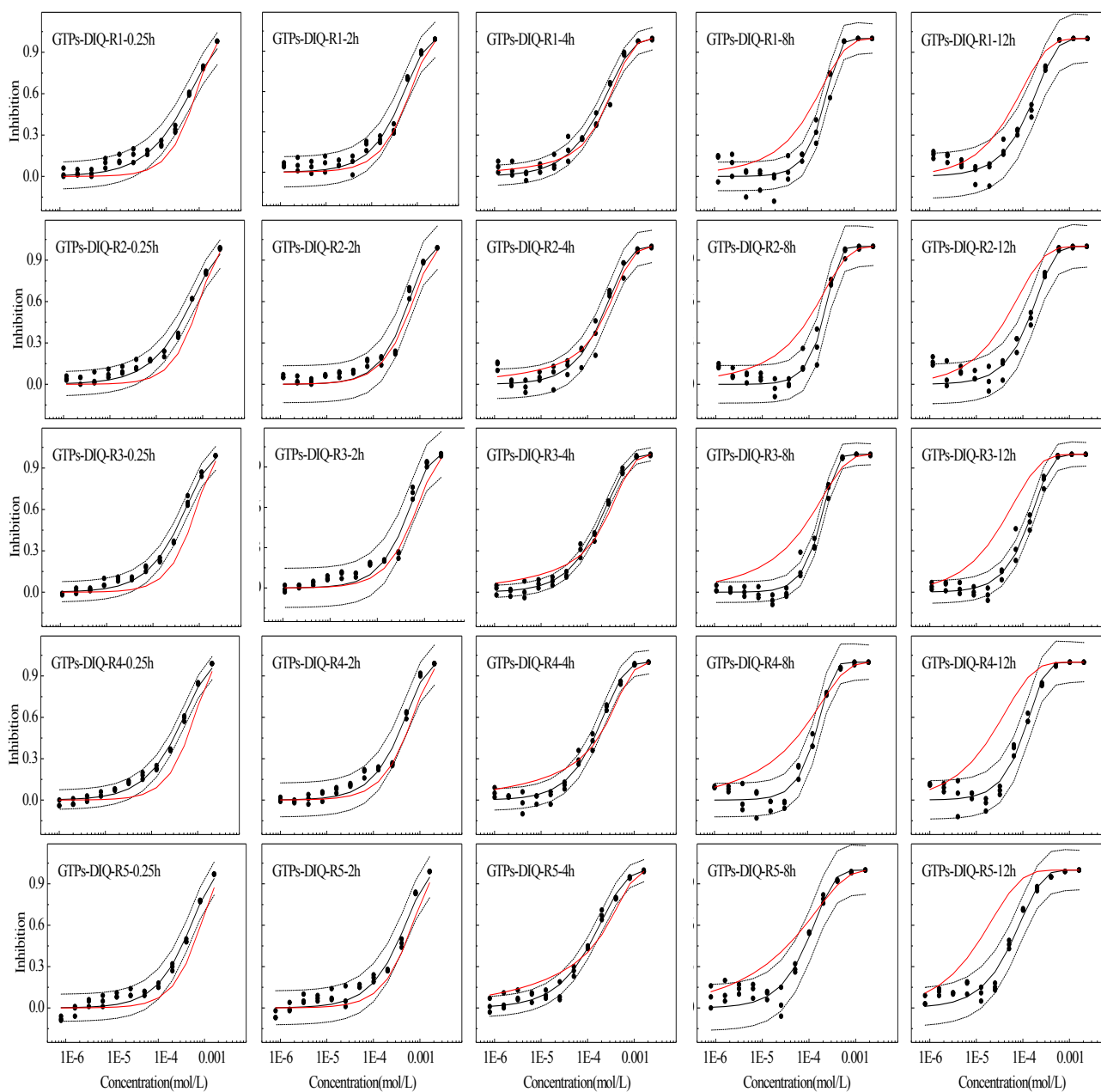| Rays	Time(h)	α	β	*RMSE*	*R*	EC_{50}	pEC_{50}
	0.25	5.10	1.58	0.010	0.9995	3.47E-4	3.46
	2	5.28	1.62	0.012	0.9982	3.27E-4	3.49
R1	4	8.12	2.41	0.022	0.9985	3.01E-4	3.52
	8	12.52	3.76	0.045	0.9961	3.74E-4	3.43
	12	10.31	3.09	0.020	0.9988	3.51E-4	3.46
	0.25	5.00	1.55	0.017	0.9986	3.45E-4	3.47
	2	5.09	1.56	0.032	0.9952	3.18E-4	3.50
R2	4	7.95	2.40	0.043	0.9947	3.43E-4	3.47
	8	10.30	3.18	0.041	0.9959	4.42E-4	3.35
	12	9.13	2.84	0.035	0.9966	4.53E-4	3.34
	0.25	4.96	1.54	0.027	0.9965	3.33E-4	3.48
	2	4.92	1.52	0.037	0.9933	3.33E-4	3.48
R3	4	6.96	2.16	0.035	0.9954	4.06E-4	3.39
	8	10.30	3.18	0.041	0.9959	5.43E-4	3.26
	12	8.21	2.61	0.039	0.9944	5.18E-4	3.29
	0.25	5.02	1.55	0.034	0.9946	3.35E-4	3.48
	2	4.84	1.46	0.035	0.9940	3.18E-4	3.50
R4	4	5.85	1.78	0.026	0.9970	3.22E-4	3.49
	8	6.47	2.05	0.037	0.9939	4.63E-4	3.33
	12	6.53	2.08	0.035	0.9948	4.83E-4	3.32
	0.25	5.11	1.60	0.047	0.9902	3.78E-4	3.42
	2	4.97	1.53	0.047	0.9897	3.25E-4	3.49
R5	4	5.84	1.84	0.043	0.9921	4.24E-4	3.37
	8	5.76	1.86	0.025	0.9967	5.08E-4	3.29
	12	5.25	1.71	0.029	0.9954	5.19E-4	3.28

Table S2　　The fitted results by Weibull function and its some statistics for the GTPs - DIQ

binary mixtures

Rays	Time(h)	α	β	RMSE	R	EC_{50}	pEC_{50}
	0.25	5.58	1.17	0.040	0.9929	4.37E-4	3.36
	2	7.23	2.23	0.046	0.9927	3.92E-4	3.41
R1	4	6.97	1.97	0.030	0.9972	1.89E-4	3.72
	8	13.03	3.66	0.043	0.9950	2.19E-4	3.66
	12	8.48	2.30	0.066	0.9886	1.43E-4	3.85
	0.25	5.96	1.87	0.036	0.9952	4.14E-4	3.38
	2	8.43	2.63	0.055	0.9902	4.52E-4	3.35
R2	4	8.05	2.29	0.044	0.9940	2.11E-4	3.68
	8	14.30	3.99	0.056	0.9933	2.11E-4	3.68
	12	9.53	2.58	0.059	0.9921	1.46E-4	3.84
	0.25	6.71	2.06	0.030	0.9964	3.67E-4	3.43
	2	8.33	2.55	0.060	0.9876	3.89E-4	3.41
R3	4	7.56	2.11	0.018	0.9989	1.75E-4	3.76
	8	13.54	3.73	0.031	0.9975	1.87E-4	3.73
	12	10.14	2.71	0.034	0.9967	1.33E-4	3.88
	0.25	6.52	2.00	0.030	0.9964	3.60E-4	3.44
	2	7.59	2.32	0.050	0.9898	3.72E-4	3.43
R4	4	8.09	2.23	0.032	0.9967	1.61E-4	3.79
	8	13.09	3.53	0.050	0.9931	1.54E-4	3.81
	12	11.25	2.93	0.057	0.9912	1.09E-4	3.97
	0.25	7.22	2.22	0.040	0.9921	3.83E-4	3.42
	2	7.28	2.22	0.051	0.9888	3.59E-4	3.44
R5	4	6.87	1.86	0.029	0.9969	1.29E-4	3.89
	8	9.07	2.35	0.068	0.9881	9.65E-5	4.02
	12	8.60	2.13	0.056	0.9910	6.17E-5	4.21

(●: observed data; —: fitted curve; —: predicted curve by CA; -·-: 95% OCI)

Figure. S1　The observed concentration-effect data with 95% OCIs, fitted CRCs and predicted curves by CA of

representative rays for GTPs-ACE mixture systems

(●: observed data; —: fitted curve; —: predicted curve by CA; ---: 95% OCI).

Figure S2   The observed concentration-effect data with 95% OCIs, fitted CRCs and predicted curves by CA of representative rays for GTPs-DIQ mixture systems