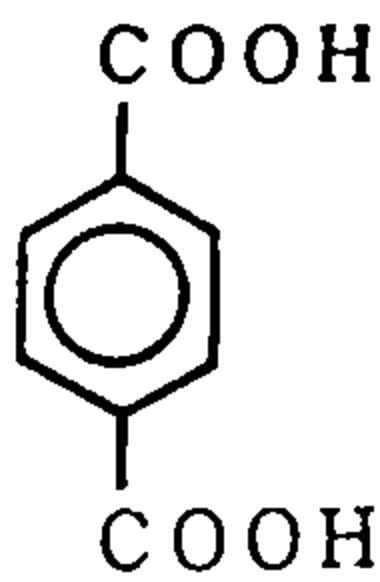


Terephthalic acid (テレフタル酸)

Experimental Data

Chemical Name: Terephthalic acid Synonym: p-Phthalic acid 1,4-Benzenedicarboxylic acid Molecular weight: 166.13 Melting point: > 300°C Chemical Structure  CAS No : 100-21-0 MITI No: (3)-1334 Source of Substance: Tokyo Kasei Kogyo Co., Ltd. Lot.No. : AY01 Purity: 100.1 % Vehicle: DMSO	Con. μg/ plate	Number of Revertants/plate									
		Base-substitution						Frame-shift			
		TA100		TA1535		WP2uvrA		TA98		TA1537	
		S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(115)	(126)	(12)	(11)	(39)	(44)	(12)	(22)	(3)	(4)	
	113	123	17	11	48	45	10	31	2	4	
	121	111	10	12	46	44	16	22	4	6	
50	(117)	(117)	(14)	(12)	(47)	(45)	(13)	(27)	(3)	(5)	
	117	133	14	9	48	39	12	17	5	5	
	107	131	15	14	31	39	9	31	2	10	
100	(112)	(132)	(15)	(12)	(40)	(39)	(11)	(24)	(4)	(8)	
	120	123	11	13	45	38	17	21	3	8	
	98	111	11	10	47	52	14	18	7	6	
200	(109)	(117)	(11)	(12)	(46)	(45)	(16)	(20)	(5)	(7)	
	136	110	12	8	31	42	16	14	5	4	
	111	112	11	11	27	42	7	29	7	9	
500	(124)	(111)	(12)	(10)	(29)	(42)	(12)	(22)	(6)	(7)	
	146	125	9	14	44	55	14	26	1	5	
	143	126	10	8	40	37	12	20	4	6	
1000	(145)	(126)	(10)	(11)	(42)	(46)	(13)	(23)	(3)	(6)	
	98	117	9	11	34	42	8	27	3	11	
	145	97	12	9	33	42	15	20	3	4	
2000	(122)	(107)	(11)	(10)	(34)	(42)	(12)	(24)	(3)	(8)	
	100	132	10	13	46	43	16	28	3	4	
	125	118	12	7	34	58	10	31	4	10	
5000	(113)	(125)	(11)	(10)	(40)	(51)	(13)	(30)	(4)	(7)	
Judgement	-	-	-	-	-	-	-	-	-	-	
Specific Mutagenicity											
Positive	AF2	2AA	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	
Control	(598)	(1064)	(203)	(216)	(656)	(1062)	(410)	(356)	(691)	(212)	