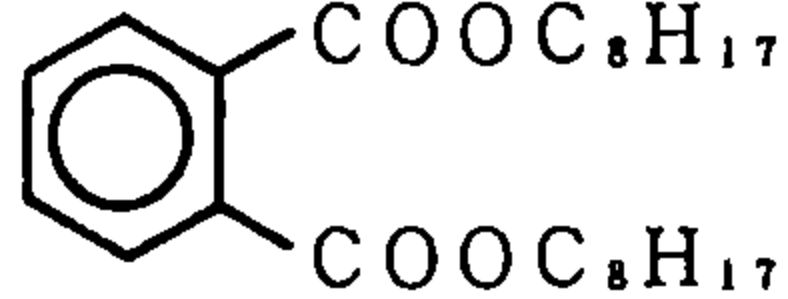


Diocetyl phthalate (ジオクチルフタレート)

Experimental Data

Chemical Name:	Diocetyl phthalate
Synonym	Di(2-ethylhexyl)phthalate
Molecular weight:	390.56
Melting point:	-50°C
Boiling point:	384°C
Flashing point:	207°C
Chemical Structure	
CAS No :	117-81-7
MITI No:	(3)-1307
Source of Substance:	Wako Pure Chem. Ind., Ltd.
Lot. No. :	AWL8661
Purity:	99.5 %
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	(120)	(138)	(22)	(9)	(35)	(38)	(12)	(28)	(4)	(6)
	139	159	18	11	46	35	14	27	5	4
	122	136	20	8	30	30	14	35	7	9
50	(131)	(148)	(19)	(10)	(38)	(33)	(14)	(31)	(6)	(7)
	122	149	14	15	36	43	20	36	2	7
	147	147	18	13	27	34	10	37	7	2
100	(135)	(148)	(16)	(14)	(32)	(39)	(15)	(37)	(5)	(5)
	130	125	16	13	43	32	13	28	5	3
	118	149	20	15	33	32	20	39	7	8
200	(124)	(137)	(18)	(14)	(38)	(32)	(17)	(34)	(6)	(6)
	101	131	15	9	39	34	12	41	5	6
	121	132	14	11	44	42	10	30	5	7
500	(111)	(132)	(15)	(10)	(42)	(38)	(11)	(36)	(5)	(7)
	125	138	16	16	40	48	13	30	4	6
	134	132	14	11	34	29	16	26	5	4
1000	(130)	(135)	(15)	(14)	(37)	(39)	(15)	(28)	(5)	(5)
	120	132	3	12	35	47	12	32	3	7
	137	119	20	11	32	32	12	36	2	7
2000	(129)	(126)	(12)	(12)	(34)	(40)	(12)	(34)	(3)	(7)
	136	112	15	9	35	48	8	29	6	8
	126	106	15	13	41	34	7	31	6	4
5000	(131)	(109)	(15)	(11)	(38)	(41)	(8)	(30)	(6)	(6)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive	AF2	2AA	NaN <sub>3</sub>	2AA	AF2	2AA	AF2	2AA	9AA	2AA
Control	(535)	(1229)	(330)	(274)	(462)	(875)	(392)	(424)	(462)	(237)

Mutagenicity  
in Bacterial test: Negative

IARC Evaluation: G 2B