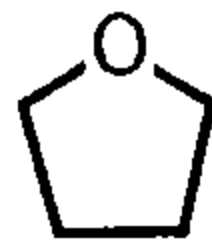


Tetrahydrofuran (テトラヒドロフラン)

Experimental Data

Chemical Name: Tetrahydrofuran Synonym: Diethylene oxide Oxacyclopentane Furan, tetrahydro-	Con. $\mu\text{g}/\text{plate}$	Number of Revertants/plate											
		Base-substitution						Frame-shift					
		TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
		S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
Molecular weight: 72.11	H20	(166)	(164)	(25)	(16)	(30)	(39)	(29)	(44)	(11)	(19)	(11)	(15)
Melting point: -108.5~106°C		161	142	30	8	37	38	33	33	7	18	13	25
Boiling point: 65-66°C	100	(175)	(146)	(31)	(12)	(35)	(37)	(26)	(40)	(7)	(20)	(15)	(22)
Flashing point: -17°C		161	171	36	22	23	27	21	44	11	26	17	18
Chemical Structure	200	(166)	(161)	(30)	(15)	(34)	(34)	(24)	(47)	(10)	(24)	(15)	(16)
		169	147	23	23	27	40	22	46	13	21	8	22
CAS No : 109-99-9	500	(170)	(152)	(27)	(20)	(24)	(39)	(24)	(46)	(11)	(18)	(10)	(20)
MITI No: (5)-53		198	174	26	12	22	45	26	44	3	20	11	15
Source of Substance: Wako Pure Chem. Ind., Ltd.	1000	(184)	(164)	(28)	(12)	(32)	(41)	(27)	(41)	(6)	(18)	(9)	(20)
Lot. No. : EPK3998		174	182	25	12	40	23	28	41	13	22	8	20
Purity:	2000	(167)	(169)	(23)	(14)	(39)	(32)	(23)	(37)	(11)	(18)	(8)	(19)
Vehicle: H <sub>2</sub> O		152	174	38	17	28	32	21	45	15	18	13	13
Mutagenicity	5000	(155)	(179)	(32)	(17)	(35)	(40)	(27)	(45)	(14)	(19)	(15)	(18)
in Bacterial Test: Negative		182	166	20	15	40	23	30	33	3	21	7	17
IARC Evaluation: not yet cited	10000	(173)	(166)	(31)	(17)	(35)	(29)	(29)	(44)	(7)	(22)	(12)	(10)
Judgement		-	-	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity		AF2	2AA 0.5	NaN <sub>3</sub>	2AA	AF2	2AA	AF2	2AA	9AA	2AA	4NQO	2AA
Positive Control		(670)	(458)	(244)	(195)	(263)	(1454)	(482)	(475)	(111)	(393)	(341)	(335)