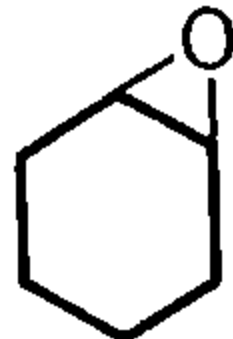


Cyclohexene oxide (シクロヘキセンオキシド)

Experimental Data

Chemical Name: Cyclohexene oxide Synonym: 1,2-Cyclohexaneepoxide 7-Oxabicyclo [4.1.0] heptane Molecular weight: 98.14 Melting point: °C Boiling point: 130°C Chemical Structure  CAS No: 286-20-4 MITI No: (3)-3263 Source of Substance: Tokyo Kasei Kogyo Co. Ltd Lot. No.: AK01 Purity: Guaranteed reagent Vehicle: DMSO Mutagenicity in Bacterial Test: Positive IARC Evaluation: not yet cited Judgement Specific Mutagenicity Positive Control	Con. μg/ 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+
DMSO	(184)	(198)	(42)	(28)	(26)	(22)	(35)	(45)	(12)	(14)	(5)	(17)	
	201	239	60	40	25	25	36	50	9	20	9	16	
100	(203)	(228)	(61)	(39)	(26)	(23)	(36)	(56)	(11)	(17)	(11)	(21)	
	197	222	62	35	12	22	36	53	12	15	5	11	
	213	222	82	50	22	25	33	43	8	7	10	11	
200	(205)	(222)	(72)	(43)	(17)	(24)	(35)	(48)	(10)	(11)	(8)	(11)	
	305	264	101	65	20	18	31	43	9	11	4	14	
	270	274	110	95	15	26	32	30	8	13	3	24	
500	(288)	(269)	(106)	(80)	(18)	(22)	(32)	(37)	(9)	(12)	(4)	(19)	
	312	283	121	88	28	23	26	43	9	15	7	19	
	285	357	176	129	11	30	35	52	7	12	9	19	
1000	(299)	(320)	(149)	(109)	(20)	(27)	(31)	(48)	(8)	(14)	(8)	(19)	
	470	444	248	230	30	42	31	63	16	10	6	11	
	501	431	218	179	30	26	23	56	12	19	6	14	
2000	(486)	(438)	(233)	(205)	(30)	(34)	(27)	(60)	(14)	(15)	(6)	(13)	
	236*	615	319	336	30	66	26	50	4*	7	5*	13	
	150*	552	255	315	18	43	9	36	6*	12	7*	14	
5000	(193*)	(584)	(287)	(326)	(24)	(55)	(18)	(43)	(5*)	(10)	(6*)	(14)	
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	
10000	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	
	+	+	+	+	-	+	-	-	-	-	-	-	
	151	120	128	104		6.60							
	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA 80	AF2	2AA	9AA	2AA	4NQO	2AA	
	(1107)	(467)	(264)	(209)	(425)	(736)	(250)	(249)	(424)	(364)	(279)	(191)	