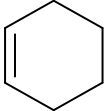


Experimental Data-1

Experimental Data-2

(B0203-1/1)

Cyclohexene (シクロヘキセン)

Chemical Name	: <u>Cyclohexene</u>
Synonym	: <u>1,2,3,4-Tetrahydrobenzene</u>
Molecular Weight	: 82.15
Melting Point	: -104 °C[CHCD]
Boiling Point	: 83 °C[CHCD]
Flashing Point	: -12.2°C[Aldrich]
Molecular Formula	: C ₆ H ₁₀
Chemical Structure:	
	
CAS No.	: 110-83-8
METI No.	: (3)-2234
MHLW No.	: -
Specified Chemical Substances	: -
Source of Substance	: Tokyo Kasei Kogyo Co., Ltd.
Lot No.	: FGG01
Purity	: 98%
Vehicle	: DMSO

Mutagenicity in Bacterial Test: Positive

IARC Evaluation : not yet cited

Conc. μ g/plate	Number of Revertants/plate	
	Frame-shift	
	TA2637	
DMSO	S9-	S9+
	(34)	(45)
1 .22	33	55
	41	45
4 .88	(37)	(50)
	47	44
19 .5	37	59
	(42)	(52)
78 .1	38	47
	41	54
313	(40)	(51)
	43	49
5000	36	48
	(40)	(49)
1250	62	49
	56	51
5000	(59)	(50)
	97	47
5000	89	59
	(93)	(53)
5000	0 *	45 *
	0 *	43 *
5000	(0 *)	(44 *)
	Judgement	+
Specific Mutagenicity	47.2	
Positive Control	9-AA (565)	2-AA (541)

* Growth inhibition was observed.

Conc. μ g/plate	Number of Revertants/plate	
	Frame-shift	
	TA2637	
DMSO	S9-	S9+
	(32)	(43)
78 .1	52	62
	43	48
156	(48)	(55)
	43	62
313	39	41
	(41)	(52)
625	54	43
	69	47
1250	(62)	(45)
	86	49
2500	81	39
	(84)	(44)
5000	92	45
	92	52
5000	(92)	(49)
	43 *	43
5000	69 *	39
	(56 *)	(41)
5000	0 *	34 *
	0 *	49 *
5000	(0 *)	(42 *)
	Judgement	+
Specific Mutagenicity	83.2	
Positive Control	9-AA (430)	2-AA (558)

* Growth inhibition was observed.