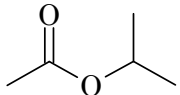


Experimental Data-1

(B0406-1/2)

Isopropyl acetate (酢酸イソプロピル)

Chemical Name	: <u>Isopropyl acetate</u>
Synonym	: <u>1-Methylethyl acetate</u> <u>Acetic acid, 1-methylethyl ester</u> <u>酢酸1-メチルエチル</u>
Molecular Weight	: 102.13
Melting Point	: -73°C[Aldrich]
Boiling Point	: 89°C[Merck]
Flashing Point	: 2°C[Merck]
Molecular Formular	: C ₅ H ₁₀ O ₂
Chemical Structure:	
CAS No.	: 108-21-4
MITI No.	: (2)-727
ML No.	: -
Specified Chemical Substances:	-
Source of Substance:	Wako Pure Chemical Industries Ltd.
Lot No.	: ALS7679
Purity	: 99.8%
Vehicle	: DMSO

Conc. µg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2uvrA/pKM101		TA98		TA1537	
DMSO	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
		(108)	(126)	(10)	(11)	(63)	(91)	(17)	(24)	(8)
1 .22	112	115	10	11	67	99	15	18	7	8
	(114)	(123)	(8)	(14)	(67)	(100)	(16)	(17)	(5)	(9)
4 .88	116	122	9	10	61	127	10	17	2	7
	(111)	(126)	(8)	(8)	(64)	(110)	(13)	(19)	(5)	(8)
19 .5	98	112	8	8	72	111	13	24	6	14
	(112)	(129)	(7)	(11)	(72)	(108)	(16)	(21)	(8)	(12)
78 .1	99	115	8	5	68	87	13	37	7	6
	(106)	(121)	(11)	(6)	(67)	(92)	(15)	(31)	(7)	(6)
313	108	124	10	9	81	89	16	28	5	10
	(102)	(133)	(10)	(13)	(68)	(91)	(19)	(27)	(6)	(10)
1250	98	114	5	13	46	99	20	18	5	9
	(111)	(115)	(10)	(8)	(55)	(101)	(19)	(20)	(6)	(11)
5000	106	130	11	6	75	97	15	17	7	11
	(117)	(119)	(11)	(8)	(71)	(91)	(17)	(20)	(5)	(14)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (723)	2-AA (1434)	NaN ₃ (363)	2-AA (267)	AF-2 (1466)	2-AA (876)	AF-2 (426)	2-AA (504)	9-AA (458)	2-AA (244)

Mutagenicity in Bacterial Test: Negative

IARC Evaluation : Not yet cited

Experimental Data-2

(B0406-2/2)

Conc. µg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2 <i>uvrA</i> /pKM101		TA98		TA1537	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(111)	(112)	(11)	(10)	(82)	(110)	(15)	(17)	(8)	(14)
	117	123	11	5	89	115	10	25	6	14
313	(122)	(125)	(11)	(9)	(93)	(113)	(14)	(23)	(10)	(11)
	126	126	11	13	96	111	17	21	13	8
625	(120)	(119)	(7)	(7)	(81)	(102)	(16)	(21)	(9)	(12)
	104	123	8	6	86	98	18	22	10	15
1250	(118)	(133)	(12)	(7)	(78)	(106)	(15)	(24)	(6)	(12)
	135	115	5	8	75	105	14	20	8	9
2500	(101)	(114)	(9)	(9)	(80)	(114)	(15)	(21)	(7)	(9)
	105	137	10	11	81	119	17	25	7	10
5000	(124)	(118)	(9)	(11)	(93)	(106)	(23)	(21)	(8)	(12)
	130	129	14	3	75	93	13	23	5	13
Judgement	—	—	—	—	—	—	—	—	—	—
Specific Mutagenicity										
Positive Control	AF-2 (691)	2-AA (1480)	NaN ₃ (365)	2-AA (247)	AF-2 (1194)	2-AA (694)	AF-2 (448)	2-AA (515)	9-AA (525)	2-AA (214)