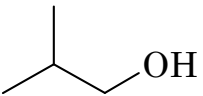


Experimental Data-1

(B0410-1/2)

2-Methyl-1-propanol (2-メチル-1-プロパノール)

Chemical Name	: 2-Methyl-1-propanol
Synonym	: 2-Methylpropan-1-ol Isobutyl alcohol 1-Hydroxymethylpropane イソブチルアルコール
Molecular Weight	: 74.12
Melting Point	: -108 °C[Merck]
Boiling Point	: 108.1°C[CHCD]
Flashing Point	: 28 °C[Merck]
Molecular Formular	: C ₄ H ₁₀ O
Chemical Structure:	
CAS No.	: 78-83-1
MITI No.	: (2)-3049
ML No.	: -
Specified Chemical Substances:	-
Source of Substance:	Wako Pure Chemical Industries Ltd.
Lot No.	: KLR6506
Purity	: 99.7%
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+
		(101)	(117)	(10)	(11)	(67)	(93)	(16)	(21)	(8)
1 .22	137	107	16	9	66	100	11	29	5	14
	(125)	(108)	(15)	(12)	(67)	(101)	(11)	(28)	(7)	(11)
4 .88	106	98	9	7	64	84	25	26	7	8
	(113)	(107)	(9)	(9)	(67)	(91)	(20)	(23)	(8)	(7)
19 .5	98	114	5	13	67	98	14	22	5	8
	(109)	(110)	(7)	(13)	(72)	(100)	(15)	(19)	(7)	(6)
78 .1	112	114	13	10	85	101	15	22	7	14
	(105)	(105)	(14)	(10)	(77)	(106)	(16)	(22)	(5)	(11)
313	121	121	8	10	61	91	22	16	8	8
	(127)	(122)	(8)	(10)	(67)	(91)	(19)	(20)	(7)	(11)
1250	107	109	7	9	60	97	15	21	9	6
	(104)	(111)	(9)	(10)	(66)	(91)	(15)	(21)	(9)	(9)
5000	116	126	9	8	71	91	15	26	3	7
	(114)	(116)	(10)	(8)	(70)	(87)	(19)	(25)	(4)	(7)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (595)	2-AA (1301)	NaN ₃ (364)	2-AA (238)	AF-2 (1103)	2-AA (685)	AF-2 (378)	2-AA (460)	9-AA (544)	2-AA (194)

Mutagenicity in Bacterial Test: Negative

IARC Evaluation : Not yet cited

Experimental Data-2

(B0410-2/2)

Conc. µg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2 <i>uvrA</i> /pKM101		TA98		TA1537	
DMSO	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
		(108)	(111)	(8)	(9)	(66)	(92)	(18)	(19)	(9)
313	111	115	7	11	63	92	11	24	13	5
	106	97	9	8	57	94	16	17	9	18
	(109)	(106)	(8)	(10)	(60)	(93)	(14)	(21)	(11)	(12)
625	111	113	10	6	54	59	13	24	11	9
	99	122	9	6	64	94	10	22	11	8
	(105)	(118)	(10)	(6)	(59)	(77)	(12)	(23)	(11)	(9)
1250	101	117	9	6	68	102	16	22	7	13
	109	119	9	10	68	83	26	18	6	10
	(105)	(118)	(9)	(8)	(68)	(93)	(21)	(20)	(7)	(12)
2500	104	130	10	9	70	78	18	17	8	17
	124	112	10	11	67	90	18	15	9	9
	(114)	(121)	(10)	(10)	(69)	(84)	(18)	(16)	(9)	(13)
5000	113	120	11	10	63	90	14	17	3	5
	112	124	8	6	66	72	22	17	7	7
	(113)	(122)	(10)	(8)	(65)	(81)	(18)	(17)	(5)	(6)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (575)	2-AA (1208)	NaN ₃ (325)	2-AA (236)	AF-2 (1007)	2-AA (689)	AF-2 (427)	2-AA (456)	9-AA (569)	2-AA (209)