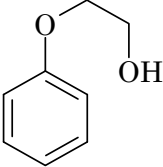


Experimental Data-1

(B0407-1/2)

2-Phenoxyethanol (2-フェノキシエタノール)

Chemical Name	: 2-Phenoxyethanol
Synonym	: Ethylene glycol monophenyl ether 1-Hydroxy-2-phenoxyethane Phenyl cellosolve 2-Hydroxyethyl phenyl ether エチレングリコールモノフェニルエーテル
Molecular Weight	: 138.17
Melting Point	: 14 °C[Merck]
Boiling Point	: 245.2°C[Merck]
Flashing Point	: 121 °C[Merck]
Molecular Formular:	C ₈ H ₁₀ O ₂
Chemical Structure:	
CAS No.	: 122-99-6
MITI No.	: (3)-558, (9)-1277
ML No.	: -
Specified Chemical Substances:	-
Source of Substance:	Wako Pure Chemical Industries Ltd.
Lot No.	: PKM4296
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+
		(107)	(124)	(10)	(10)	(61)	(90)	(17)	(23)	(8)
	126	114	7	7	57	99	16	16	13	9
	115	122	13	7	66	90	6	23	3	7
1 .22	(121)	(118)	(10)	(7)	(62)	(95)	(11)	(20)	(8)	(8)
	104	117	10	7	67	91	6	17	2	9
	133	121	7	8	78	98	17	16	5	6
4 .88	(119)	(119)	(9)	(8)	(73)	(95)	(12)	(17)	(4)	(8)
	96	116	10	7	48	113	14	9	2	6
	104	114	13	8	63	98	15	18	7	10
19 .5	(100)	(115)	(12)	(8)	(56)	(106)	(15)	(14)	(5)	(8)
	96	122	11	9	48	97	13	16	8	5
	116	133	7	16	71	102	22	17	3	9
78 .1	(106)	(128)	(9)	(13)	(60)	(100)	(18)	(17)	(6)	(7)
	101	149	9	16	41	92	23	23	6	7
	104	113	7	13	52	87	13	23	3	8
313	(103)	(131)	(8)	(15)	(47)	(90)	(18)	(23)	(5)	(8)
	113	100	10	9	54	100	15	20	6	14
	101	121	7	13	49	55	8	15	8	13
1250	(107)	(111)	(9)	(11)	(52)	(78)	(12)	(18)	(7)	(14)
	92	109	5	7	40	55	7	22	7	7
	94	108	9	15	36	62	14	16	5	7
5000	(93)	(109)	(7)	(11)	(38)	(59)	(11)	(19)	(6)	(7)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (692)	2-AA (1370)	NaN ₃ (351)	2-AA (266)	AF-2 (1356)	2-AA (817)	AF-2 (417)	2-AA (501)	9-AA (447)	2-AA (247)

Mutagenicity in Bacterial Test: Negative

IARC Evaluation : Not yet cited

Experimental Data-2

(B0407-2/2)

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)	(111)	(12)	(10)	(81)	(109)	(13)	(17)	(8)	(14)
	131	101	10	5	81	109	11	25	9	7
313	(120)	(111)	(11)	(10)	(86)	(105)	(9)	(18)	(7)	(5)
	108	104	9	9	81	85	13	15	5	10
625	(98)	(113)	(9)	(10)	(78)	(92)	(13)	(13)	(5)	(9)
	116	130	10	10	68	98	14	16	6	6
1250	(105)	(123)	(9)	(8)	(66)	(90)	(17)	(18)	(6)	(6)
	114	137	7	9	83	76	11	15	3	3
2500	(110)	(134)	(8)	(7)	(75)	(74)	(12)	(21)	(6)	(4)
	83	102	10	9	62	57	8	17	6	8
5000	(91)	(101)	(9)	(12)	(56)	(72)	(11)	(16)	(6)	(8)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (682)	2-AA (1428)	NaN ₃ (360)	2-AA (245)	AF-2 (1110)	2-AA (668)	AF-2 (438)	2-AA (508)	9-AA (502)	2-AA (212)