

[ポリ(オキシメチレン)]

Chemical Name; Poly(oxymethylene)

Synonym ; Polyacetal

ポリアセタル

Molecular Weight ; -

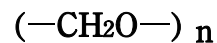
Melting Point ; 170 - 172 °C [CHCD]

Boiling Point ; - °C

Flashing Point ; - °C

Molecular Formula ; -

Chemical Structure



CAS No. ; 9002-81-7

MITI No. ; (9)-1941

ML No. ; -

Specified Chemical Substances ; -

Source of Substance ; Tokyo Kasei Kogyo Co., Ltd.

Lot No. ; GD01

Purity ; 90 %

Vehicle ; Dehydrated DMSO

Mutagenicity in Bacterial Test ; Positive

IARC Evaluation ; not yet cited

Conc. µg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2uvrA		TA98		TA1537	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(123)	(121)	(7)	(8)	(25)	(28)	(19)	(31)	(11)	(13)
	123	143	11	8	24	32	24	37	15	10
	124	138	7	11	18	30	23	38	16	10
0.0763	(124)	(141)	(9)	(10)	(21)	(31)	(24)	(38)	(16)	(10)
	146	100	7	7	34	40	23	25	11	10
	119	137	13	8	18	34	21	39	8	13
0.305	(133)	(119)	(10)	(8)	(26)	(37)	(22)	(32)	(10)	(12)
	148	139	6	9	24	28	16	36	16	9
	153	151	6	13	26	41	22	28	6	14
1.22	(151)	(145)	(6)	(11)	(25)	(35)	(19)	(32)	(11)	(12)
	192	144	9	8	25	31	36	37	13	14
	199	151	11	10	26	22	24	30	8	11
4.88	(196)	(148)	(10)	(9)	(26)	(27)	(30)	(34)	(11)	(13)
	349	284	9	5	34	36	61	46	6	24
	367	284	16	21	24	41	55	64	8	13
19.5	(358)	(284)	(13)	(13)	(29)	(39)	(58)	(55)	(7)	(19)
	401*	753	25*	23	29	61	24*	71	5*	10
	405*	761	30*	21	38	52	32*	69	13*	11
78.1	(403*)	(757)	(28*)	(22)	(34)	(57)	(28*)	(70)	(9*)	(11)
	0*	0*	0*	0*	24*	20*	0*	0*	0*	0*
	0*	0*	0*	0*	22*	31*	0*	0*	0*	0*
313	(0*)	(0*)	(0*)	(0*)	(23*)	(26*)	(0*)	(0*)	(0*)	(0*)
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
1250	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
5000	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)
Judgement	+	+	+	+	-	+	+	+	-	-
Specific Mutagenicity	12100	8360	269	179		371	2000	499		
Positive Control	AF-2 (1057)	2-AA (1291)	NaN ₃ (331)	2-AA (285)	AF-2 (395)	2-AA (1128)	AF-2 (352)	2-AA (369)	9-AA (470)	2-AA (197)

Conc. µg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2 <i>uvrA</i>		TA98		TA1537	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
	(154)	(166)	(10)	(12)	(23)	(29)	(19)	(24)	(6)	(9)
DMSO	120	171					14		3	
	149	174					16		5	
1. 22	(135)	(173)					(15)		(4)	
	159	129					17		7	
	172	172					6		2	
2. 44	(166)	(151)					(12)		(5)	
	192	159	3	11	23	32	33	21	3	8
	166	174	9	11	16	38	38	30	2	10
4. 88	(179)	(167)	(6)	(11)	(20)	(35)	(36)	(26)	(3)	(9)
	295	219	13	13	33	36	57	31	2	8
	234	212	15	20	30	41	37	24	3	10
9. 77	(265)	(216)	(14)	(17)	(32)	(39)	(47)	(28)	(3)	(9)
	373	312	14	15	25	48	98	64	3	9
	367	318	16	17	28	34	77	66	5	7
19. 5	(370)	(315)	(15)	(16)	(27)	(41)	(88)	(65)	(4)	(8)
	524*	733	16	15	43	33	76*	98	5*	9
	579*	581	16	15	31	44	98*	90	7*	9
39. 1	(552*)	(657)	(16)	(15)	(37)	(39)	(87*)	(94)	(6*)	(9)
			13*	16	51	59		111	3*	17
			26*	25	48	55		116	6*	14
78. 1			(20*)	(21)	(50)	(57)		(114)	(5*)	(16)
			0*	28*	41*	59*		0*		17*
			0*	22*	34*	67*		0*		3*
156			(0*)	(25*)	(38*)	(63*)		(0*)		(10*)
					0*	21*				0*
					0*	21*				0*
313					(0*)	(21*)				(0*)
Judgement	+	+	+	+	+	+	+	+	-	-
Specific Mutagenicity	11100	12600	128	83. 3	346	218	3540	2100		
Positive Control	AF-2 (836)	2-AA (1243)	NaN ₃ (435)	2-AA (278)	AF-2 (298)	2-AA (1117)	AF-2 (400)	2-AA (443)	9-AA (620)	2-AA (207)