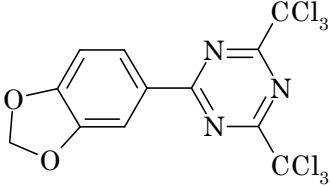


2-(2H-1,3-Benzodioxole-5-yl)-4,6-bis(trichloromethyl)-1,3,5-triazine

(2-(2H-1,3-ベンゾジオキソール-5-イル)-4,6-ビス(トリクロロメチル)-1,3,5-トリアジン)

Chemical Name	: 2-(2H-1,3-Benzodioxole-5-yl)-4,6-bis(trichloromethyl)-1,3,5-triazine
Synonym	: <u>Triazine PP</u>
Molecular Weight	: 435.89
Melting Point	: 145°C [Nihon Siber Hegner K.K.]
Boiling Point	: -
Flashing Point	: -
Molecular Formular	: C ₁₂ H ₅ Cl ₆ N ₃ O ₂
Chemical Structure:	
CAS No.	: 71255-78-2
MITI No.	: -
ML No.	: 8-(3)-1074
Specified Chemical Substances	: -
Source of Substance	: Nihon SiberHegner K.K.
Lot No.	: PAN 02/01
Purity	: 99.9 wt%
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+
		(126)	(149)	(9)	(7)	(69)	(113)	(13)	(19)	(6)
1 .22	204	169	6	9	62	116	23	28	3	6
	(202)	(156)	(7)	(12)	(73)	(114)	(18)	(27)	(7)	(9)
4 .88	274	162	10	8	76	106	16	21	10	11
	(261)	(170)	(8)	(9)	(78)	(105)	(13)	(21)	(11)	(9)
19 .5	313	173	15	11	76	109	22	25	10	11
	(310)	(161)	(12)	(10)	(83)	(110)	(20)	(24)	(11)	(11)
78 .1	304	261	13	14	86	123	25	24	11	11
	(306)	(258)	(12)	(15)	(79)	(127)	(24)	(24)	(9)	(13)
313	276	338	17	10	60	163	23	26	8	11
	(284)	(331)	(17)	(15)	(69)	(156)	(20)	(24)	(9)	(10)
1250 †	256	289	11	6	72	155	21	26	6	8
	(269)	(280)	(11)	(11)	(82)	(159)	(20)	(28)	(9)	(10)
5000 †	291	249	7	9	85	156	23	16	5	9
	(285)	(242)	(10)	(14)	(82)	(148)	(21)	(16)	(6)	(10)
Judgement	+	+	-	+	-	-	-	-	-	-
Specific Mutagenicity	27700	581		102						
Positive Control	AF-2 (717)	2-AA (1619)	NaN ₃ (340)	2-AA (263)	AF-2 (1230)	2-AA (942)	AF-2 (430)	2-AA (380)	9-AA (366)	2-AA (194)

Mutagenicity in Bacterial Test: Positive

IARC Evaluation : Not yet cited

† Test chemical was precipitated with and without S9mix.

Experimental Data-2

(B0306-2/2)

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+
	(128)	(134)	(8)	(8)	(72)	(130)	(14)	(22)	(8)	(9)
0 .610	144 130 (137)	()	()	()	()	()	()	()	5 6 (6)	()
1 .22	191 178 (185)	()	()	()	()	()	()	()	5 9 (7)	()
2 .44	178 172 (175)	()	()	()	()	()	()	()	6 9 (8)	()
4 .88	239 239 (239)	()	()	()	()	()	()	()	5 7 (6)	()
9 .77	284 266 (275)	()	()	3 9 (6)	()	()	()	()	7 10 (9)	()
19 .5	268 274 (271)	183 158 (171)	()	14 13 (14)	()	()	()	()	8 10 (9)	()
39 .1	267 322 (295)	205 185 (195)	()	13 13 (13)	()	()	()	()	9 9 (9)	()
78 .1	()	262 239 (251)	9 8 (9)	8 15 (12)	79 79 (79)	138 149 (144)	21 22 (22)	21 26 (24)	8 7 (8)	17 17 (17)
156	()	235 284 (260)	15 15 (15)	8 17 (13)	96 91 (94)	130 133 (132)	15 24 (20)	16 18 (17)	5 3 (4)	13 9 (11)
313	()	243 320 (282)	10 7 (9)	13 17 (15)	86 104 (95)	128 138 (133)	14 21 (18)	29 20 (25)	10 7 (9)	13 9 (11)
625	()	286 290 (288)	8 11 (10)	18 14 (16)	127 99 (113)	155 138 (147)	18 24 (21)	26 33 (30)	5 11 (8)	7 8 (8)
1250 †	()	292 285 (289)	9 12 (11)	()	98 106 (102)	148 153 (151)	14 9 (12)	17 31 (24)	4 6 (5)	7 9 (8)
2500 †	()	()	16 7 (12)	()	97 90 (94)	142 154 (148)	15 20 (18)	25 23 (24)	8 7 (8)	8 7 (8)
5000 †	()	()	4 9 (7)	()	91 112 (102)	160 147 (154)	11 14 (13)	28 21 (25)	4 5 (5)	5 12 (9)
Judgement	+	+	-	+	-	-	-	-	-	-
Specific Mutagenicity	15000	473		12.8						
Positive Control	AF-2 (759)	2-AA (1541)	NaN ₃ (310)	2-AA (235)	AF-2 (1826)	2-AA (995)	AF-2 (346)	2-AA (385)	9-AA (462)	2-AA (245)

† Test chemical was precipitated with and without S9mix.