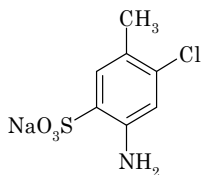


Experimental Data-1

(B9902-1/2)

Sodium 4-amino-2-chlorotoluene-5-sulfonate

(4-アミノ-2-クロロトルエン-5-スルホン酸ナトリウム)

Chemical Name	: <u>Sodium 4-amino-2-chloro-toluene-5-sulfonate</u>
Synonym	: -
Molecular Weight	: 243.65
Melting Point	: -
Boiling Point	: -
Flashing Point	: -
Molecular Formular:	C ₇ H ₇ ClNNaO ₃ S
Chemical Structure:	
CAS No.	: 6627-59-4
METI No.	: (3)-2024
MHLW No.	: 4-(5)-60
Specified Chemical Substances:	-
Source of Substance:	Tokyo Kasei Kogyo Co., Ltd.
Lot No.	: AR01
Purity	: >95%
Vehicle	: DMSO

Mutagenicity in Bacterial Test: Negative

IARC Evaluation : not yet cited

Conc. μ g/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)	(120)	(10)	(10)	(53)	(85)	(18)	(22)	(7)
1.22	123	136	9	13	44	91	28	30	6	10
	112	120	7	5	57	75	17	24	8	5
	(118)	(128)	(8)	(9)	(51)	(83)	(23)	(27)	(7)	(8)
4.88	109	139	9	6	31	97	17	26	5	16
	129	128	11	3	22	86	11	24	9	7
	(119)	(134)	(10)	(5)	(27)	(92)	(14)	(25)	(7)	(12)
19.5	135	137	7	7	51	101	18	25	7	8
	128	141	9	6	49	82	8	25	5	13
	(132)	(139)	(8)	(7)	(50)	(92)	(13)	(25)	(6)	(11)
78.1	129	141	10	6	52	74	20	18	7	9
	131	131	16	7	56	76	16	16	8	8
	(130)	(136)	(13)	(7)	(54)	(75)	(18)	(17)	(8)	(9)
313	119	137	9	11	59	81	20	22	7	14
	109	122	7	10	68	76	13	22	8	5
	(114)	(130)	(8)	(11)	(64)	(79)	(17)	(22)	(8)	(10)
1250	116	122	11	3	57	79	25	20	5	9
	100	99	8	13	54	100	10	26	8	10
	(108)	(111)	(10)	(8)	(56)	(90)	(18)	(23)	(7)	(10)
5000	99	138	10	7	51	72	15	34	10	9
	129	146	10	1	56	76	8	26	10	18
	(114)	(142)	(10)	(4)	(54)	(74)	(12)	(30)	(10)	(14)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (742)	2-AA (1417)	NaN ₃ (435)	2-AA (279)	AF-2 (792)	2-AA (949)	AF-2 (528)	2-AA (508)	9-AA (369)	2-AA (247)

Experimental Data-2

(B9902-2/2)

Conc. μ g/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	(117)	(123)	(11)	(8)	(71)	(74)	(18)	(20)	(6)	(8)
	106	144	7	8	83	57	8	37	6	14
313	(110)	(132)	(11)	(9)	(103)	(62)	(13)	(27)	(7)	(12)
	98	124	7	10	111	67	13	26	2	9
625	(102)	(127)	(6)	(11)	(103)	(76)	(18)	(26)	(5)	(9)
	101	105	9	13	109	76	17	21	8	7
1250	(107)	(113)	(10)	(12)	(102)	(76)	(17)	(25)	(7)	(7)
	108	138	10	13	120	77	16	22	5	11
2500	(106)	(136)	(12)	(10)	(109)	(65)	(19)	(23)	(7)	(11)
	133	130	5	9	124	61	14	38	5	13
5000	(121)	(127)	(7)	(8)	(104)	(56)	(14)	(32)	(7)	(10)
Judgement	-	-	-	-	-	-	-	-	-	-
Specific Mutagenicity										
Positive Control	AF-2 (620)	2-AA (1243)	NaN ₃ (438)	2-AA (277)	AF-2 (918)	2-AA (1072)	AF-2 (516)	2-AA (475)	9-AA (345)	2-AA (255)