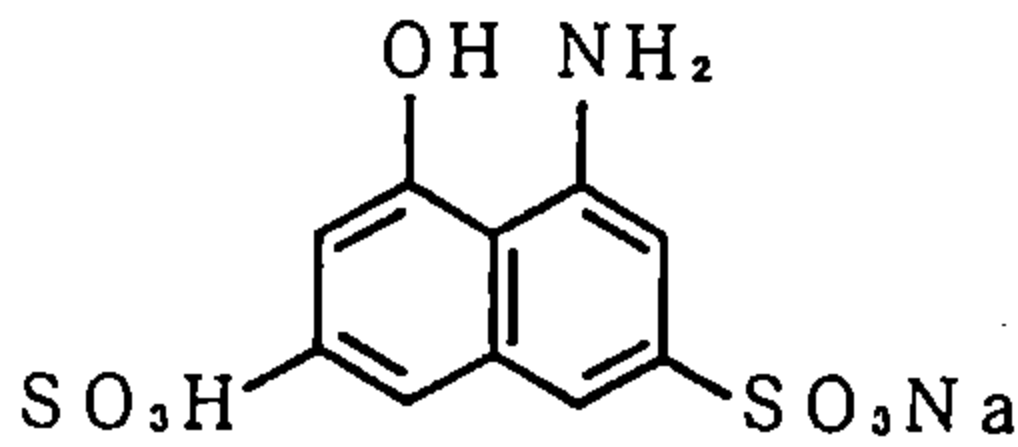


1-Amino-8-naphthol-3,6-disulfonic acid,
 monosodium salt (1-アミノ-8-ナフトール-3,6-
 ジスルホン酸モノナトリウム塩)(H酸)

Chemical Name:	1-Amino-8-naphthol-3,6 -disulfonic acid, monosodium salt
Synonym	4-Amino-5-hydroxy-2,7- naphthalenedisulfonic acid, monosodium salt
Molecular weight:	341.30
Melting point:	°C
Boiling point:	°C
Chemical Structure	
CAS No:	5460-09-3
MITI No:	(4)-523
ML No:	5-(0)-190
Source of Substance:	Wako Pure Chem. Ind., Ltd.
Lot. No.:	WKJ4564
Purity:	chemical grade
Vehicle:	DMSO

Mutagenicity in Bacterial Test: Negative
 IARC Evaluation: not yet cited

Judgement
 Specific Mutagenicity
 Positive
 Control

Con. μg/ plate	Experimental Data											
	Base-substitution						Frame-shift					
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(123)	(113)	(20)	(14)	(38)	(40)	(21)	(26)	(12)	(16)	(19)	(18)
	123	122	17	11	40	36	21	31	11	16	12	16
20	(118)	(124)	(19)	(10)	(37)	(34)	(20)	(28)	(13)	(15)	(13)	(21)
	125	126	23	14	34	44	29	29	17	17	14	21
50	(123)	(109)	(21)	(15)	(36)	(46)	(25)	(28)	(14)	(17)	(12)	(19)
	128	109	19	16	33	35	23	25	17	13	17	20
	102	98	20	15	38	42	24	24	8	11	19	14
100	(115)	(104)	(20)	(16)	(36)	(39)	(24)	(25)	(13)	(12)	(18)	(17)
	121	117	26	17	36	34	19	30	16	18	10	12
	127	101	18	23	48	39	18	29	13	12	16	18
200	(124)	(109)	(22)	(20)	(42)	(37)	(19)	(30)	(15)	(15)	(13)	(15)
	104	102	19	20	34	39	18	24	15	13	10	22
	115	103	26	11	39	44	13	24	15	16	15	15
500	(110)	(103)	(23)	(16)	(37)	(42)	(16)	(24)	(15)	(15)	(13)	(19)
	110	93	25	12	38	37	17	24	14	15	20	19
	109	86	18	8	45	39	19	25	19	18	18	12
1000	(110)	(90)	(22)	(10)	(42)	(38)	(18)	(25)	(17)	(17)	(19)	(16)
	87	106	22	15	30	37	20	35	15	16	14	17
	109	90	24	13	34	41	15	23	16	7	11	20
2000	(98)	(98)	(23)	(14)	(32)	(39)	(18)	(29)	(16)	(12)	(13)	(19)
	97	89	25	8	31	37	21	26	17	9	9	10
	91	73	17	15	37	35	21	24	14	5	12	5
5000	(94)	(81)	(21)	(12)	(34)	(36)	(21)	(25)	(16)	(7)	(11)	(8)
	-	-	-	-	-	-	-	-	-	-	-	-
	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(520)	(577)	(246)	(154)	(160)	(820)	(398)	(379)	(744)	(316)	(269)	(378)