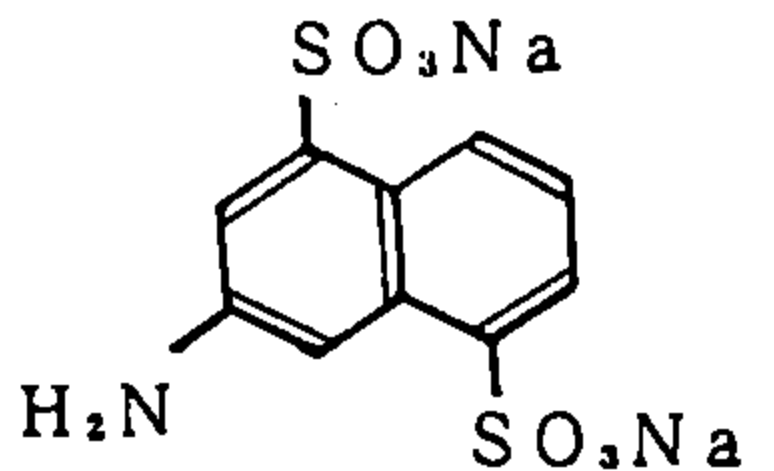


7-Amino-1,5-naphthalenedisulfonic acid disodium salt  
(7-アミノ-1,5-ナフタレンジスルホン酸, ナトリウム塩)(C酸)

Experimental Data

Chemical Name: 7-Amino-1,5-naphthalene-disulfonic acid disodium salt	Con. $\mu$ g/plate	Number of Revertants/plate											
		Base-substitution						Frame-shift					
		TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
Synonym	H <sub>2</sub> O	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
Molecular weight: 347.28		(114)	(123)	(23)	(24)	(52)	(44)	(19)	(29)	(9)	(13)	(13)	(23)
Melting point: °C	20	99	120	17	27	48	36	23	28	7	11	17	23
Boiling point: °C		118	123	18	24	56	34	20	30	6	10	7	30
Chemical Structure		(109)	(122)	(18)	(26)	(50)	(35)	(22)	(29)	(7)	(11)	(12)	(27)
		109	133	24	19	49	33	25	38	8	17	15	18
	50	100	124	20	24	55	36	20	25	6	15	12	26
		(105)	(129)	(22)	(22)	(52)	(35)	(23)	(32)	(7)	(16)	(14)	(22)
CAS No: 14170-43-5		108	128	19	19	58	39	26	28	7	11	17	27
MITI No: (4)-502	100	95	121	22	23	54	52	24	33	9	8	8	24
Source of Substance: Tokyo Kasei Kogyo Co. Ltd		(102)	(129)	(21)	(21)	(56)	(46)	(25)	(31)	(8)	(10)	(13)	(26)
	Lot. No.: FBN01	106	120	30	24	44	43	19	26	8	11	12	24
Purity: chemical grade	200	107	136	18	22	48	42	26	28	10	12	12	27
Vehicle: H <sub>2</sub> O		(107)	(128)	(24)	(23)	(46)	(43)	(23)	(27)	(9)	(12)	(12)	(26)
Mutagenicity		100	113	20	31	38	59	23	32	8	8	15	31
	in Bacterial Test: Negative	103	123	24	27	34	49	31	31	9	10	14	18
IARC Evaluation: not yet cited	500	(102)	(118)	(22)	(29)	(36)	(54)	(27)	(32)	(9)	(9)	(15)	(25)
		113	122	23	24	52	40	18	33	7	11	11	21
Judgement	1000	109	126	21	30	42	43	21	34	7	8	11	24
		(111)	(124)	(22)	(27)	(47)	(42)	(20)	(34)	(7)	(10)	(11)	(23)
Specific Mutagenicity		100	127	14	31	52	47	17	23	8	11	15	28
	Positive	106	112	25	19	57	39	15	27	6	5	15	19
Control	2000	(103)	(120)	(20)	(25)	(55)	(43)	(16)	(25)	(7)	(8)	(15)	(24)
		97	125	22	22	49	52	19	27	9	10	10	22
	5000	124	108	24	30	61	51	15	19	7	8	19	29
		(111)	(117)	(23)	(26)	(55)	(52)	(17)	(23)	(8)	(9)	(15)	(26)
		AF2	2AA 0.5	NaN <sub>3</sub>	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
		(402)	(457)	(218)	(329)	(260)	(849)	(412)	(351)	(652)	(358)	(415)	(341)