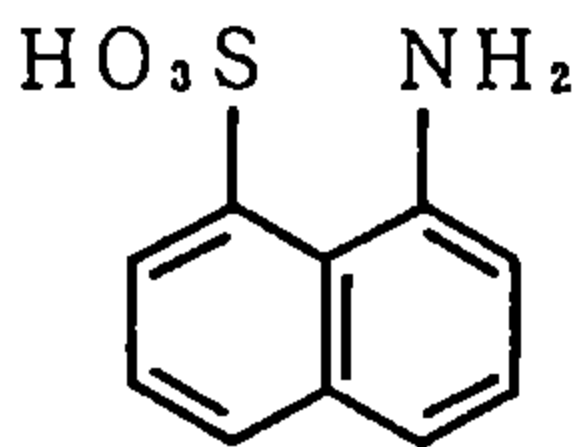


1-Naphthylamine-8-sulfonic acid

(1-ナフチルアミン-8-スルホン酸)(ペリ酸)

Chemical Name:	1-Naphthylamine-8-sulfonic acid
Synonym	8-Amino-1-naphthalene sulfonic acid Peri acid
Molecular weight:	223.25
Melting point:	°C
Boiling point:	°C
Chemical Structure	
CAS No:	82-75-7
MITI No:	(4)-491
Source of Substance:	Tokyo Kasei Kogyo Co. Ltd
Lot.No.:	AP01
Purity:	extra pure reagent
Vehicle:	DMSO

Experimental Data

Con. μg/ plate	Number of Revertants/plate												
	Base-substitution						Frame-shift						
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538		
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	
DMSO	(109)	(119)	(25)	(19)	(52)	(45)	(20)	(33)	(11)	(14)	(11)	(25)	
	114	127	29	22	50	38	19	30	17	8	12	19	
20	(117)	(119)	(25)	(21)	(50)	(38)	(17)	(29)	(14)	(10)	(11)	(21)	
	113	108	20	18	44	47	23	29	8	12	17	23	
	99	119	23	22	38	54	25	37	15	16	10	25	
50	(106)	(114)	(22)	(20)	(41)	(51)	(24)	(33)	(12)	(14)	(14)	(24)	
	106	130	23	23	36	50	20	32	16	15	9	26	
	120	118	19	22	41	46	16	26	9	12	8	19	
100	(113)	(124)	(21)	(23)	(39)	(48)	(18)	(29)	(13)	(14)	(9)	(23)	
	121	132	24	18	43	43	18	27	9	14	13	31	
	115	124	19	28	41	44	20	49	16	10	7	32	
200	(118)	(128)	(22)	(23)	(42)	(44)	(19)	(38)	(13)	(12)	(10)	(32)	
	106	140	25	21	40	41	19	33	11	16	12	31	
	114	134	21	19	47	43	21	37	9	16	12	33	
500	(110)	(137)	(23)	(20)	(44)	(42)	(20)	(35)	(10)	(16)	(12)	(32)	
	110	134	21	23	35	41	24	49	12	11	12	49	
	103	117	25	20	47	39	23	35	10	10	12	39	
1000	(107)	(126)	(23)	(22)	(41)	(40)	(24)	(42)	(11)	(11)	(12)	(44)	
	117	117	18	22	40	47	26	78	14	15	13	57	
	110	119	15	26	46	55	20	76	10	19	9	81	
2000	(114)	(118)	(17)	(24)	(43)	(51)	(23)	(77)	(12)	(17)	(11)	(69)	
	124	138	24	25	55	37	23	171	13	28	10	188	
	126	120	16	19	42	48	13	200	10	49	9	184	
5000	(125)	(129)	(20)	(23)	(49)	(43)	(18)	(186)	(12)	(39)	(10)	(186)	
	-	-	-	-	-	-	-	+	-	+	-	+	
Judgement													
Specific Mutagenicity													
Positive	AF2	2AA	0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
Control	(453)	(473)	(194)	(167)	(244)	(623)	(345)	(299)	(968)	(360)	(377)	(312)	