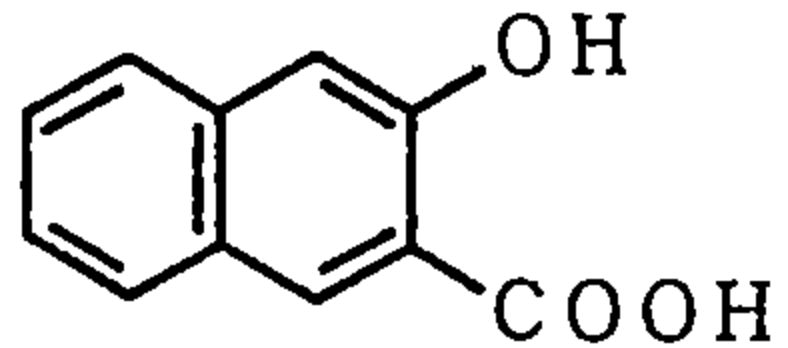


2-Hydroxy-3-naphthoic acid (β -オキシナフトエ酸)

Experimental Data

Chemical Name:	2-Hydroxy-3-naphthoic acid
Synonym	3-Hydroxy-2-naphthalenecarboxylic acid
Molecular weight:	188.18
Melting point:	222~223°C
Boiling point:	°C
Chemical Structure	
CAS No:	92-70-6
MITI No:	(4)-398
Source of Substance:	Tokyo Kasei Kogyo Co. Ltd
Lot. No.:	AU01
Purity:	extra pure reagent
Vehicle:	DMSO

Con. μ g/ 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	(83)	(104)	(17)	(17)	(19)	(23)	(12)	(20)	(6)	(9)	(9)	(17)
	95	81	16	19	19	34	11	16	6	11	13	16
	78	102	16	13	25	34	18	18	7	13	15	17
20	(87)	(92)	(16)	(16)	(22)	(34)	(15)	(17)	(7)	(12)	(14)	(17)
	97	70	20	10	35	28	19	14	6	11	15	13
	83	81	16	12	30	23	15	17	5	13	13	13
50	(90)	(76)	(18)	(11)	(33)	(26)	(17)	(16)	(6)	(12)	(14)	(13)
	81	71	17	13	28	31	11	11	5	14	14	13
	73	77	19	12	29	30	16	14	6	20	12	14
100	(77)	(74)	(18)	(13)	(29)	(31)	(14)	(13)	(6)	(17)	(13)	(14)
	96	88	10	13	20	27	23	17	5	11	14	13
	88	87	12	9	29	35	18	20	9	20	16	17
200	(92)	(88)	(11)	(11)	(25)	(31)	(21)	(19)	(7)	(16)	(15)	(15)
	76	80	13	12	26	13	11	23	5	11	21	11
	81	78	20	18	26	27	13	24	8	13	14	13
500	(79)	(79)	(17)	(15)	(26)	(20)	(12)	(24)	(7)	(12)	(18)	(12)
	72	56	17	13	30	15	11	17	9	8	17	8
	65	68	9	11	13	14	12	21	15	15	15	11
1000	(69)	(62)	(13)	(12)	(22)	(15)	(12)	(19)	(12)	(12)	(16)	(10)
	62	66	13	14	14	11	12	12	11	8	13	9
	73	54	16	14	22	26	13	14	12	14	18	14
2000	(68)	(60)	(15)	(14)	(18)	(19)	(13)	(13)	(12)	(11)	(16)	(12)
	26	34	0*	0*	18	18	11	7	7	15	0*	0*
	23	28	0*	0*	12	13	9	8	5	18	0*	0*
5000	(25)	(31)	(0*)	(0*)	(15)	(16)	(10)	(8)	(6)	(17)	(0*)	(0*)
	—	—	—	—	—	—	—	—	—	—	—	—
Judgement												
Specific Mutagenicity												
Positive	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
Control	(453)	(662)	(175)	(186)	(303)	(793)	(247)	(421)	(1077)	(436)	(315)	(558)