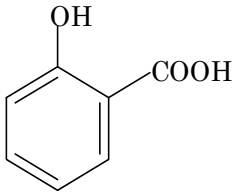
Chemical Name ; Salicylic acid

; 2-Hydroxybenzoic acid
o-Hydroxybenzoic acid
2-ヒドロキシ安息香酸

Molecular Weight ; 138.13
Melting Point ; 158～160℃ [Aldrich]
Boiling Point ; 211℃(20mmHg)[Aldrich]
Flashing Point ; 157℃ [CHCD]
Molecular Formula ; $C_7H_6O_3$

Chemical Structure



CAS No. ; 69-72-7
MITI No. ; (3)-1640
; －
Specified Chemical Substances ; －

Source of Substance; Tokyo Kasei Kogyo Co., Ltd.
Lot No. ; GE01
Purity ; >99.5%

Vehicle ; DMSO

Mutagenicity in Bacterial Test ; Negative

IARC Evaluation ; not yet cited

Conc. μg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2*uvr*A/pKM101		TA98		TA1537	
	S9－	S9＋	S9－	S9＋	S9－	S9＋	S9－	S9＋	S9－	S9＋
DMSO	(127)	(124)	(9)	(10)	(48)	(85)	(21)	(29)	(6)	(11)
	137	131	15	10	40	81	16	31	7	13
	134	145	5	13	46	82	24	38	6	7
1 .22	(136)	(138)	(10)	(12)	(43)	(82)	(20)	(35)	(7)	(10)
	128	148	6	8	57	78	18	24	6	9
	122	143	13	11	51	71	22	22	6	3
4 .88	(125)	(146)	(10)	(10)	(54)	(75)	(20)	(23)	(6)	(6)
	120	136	9	8	56	77	25	26	2	9
	128	162	3	10	43	77	21	29	3	5
19 .5	(124)	(149)	(6)	(9)	(50)	(77)	(23)	(28)	(3)	(7)
	53	45	8	9	74	71	20	20	6	3
	47	39	8	9	56	76	22	26	6	2
78 .1	(50)	(42)	(8)	(9)	(65)	(74)	(21)	(23)	(6)	(3)
	16	6	0	2	59	84	11	15	0	1
	11	3	0	3	60	68	21	23	0	3
313	(14)	(5)	(0)	(3)	(60)	(76)	(16)	(19)	(0)	(2)
	3	2	0	2	38	46	2	3	1	1
	7	0	0	2	39	44	1	1	0	3
1250	(5)	(1)	(0)	(2)	(39)	(45)	(2)	(2)	(1)	(2)
	0 *	2 *	0 *	2 *	0 *	2 *	0 *	0 *	0 *	0 *
	0 *	1 *	0 *	1 *	0 *	9 *	0 *	0 *	0 *	0 *
5000	(0 *)	(2 *)	(0 *)	(2 *)	(0 *)	(6 *)	(0 *)	(0 *)	(0 *)	(0 *)
Judgement	－	－	－	－	－	－	－	－	－	－
Specific Mutagenicity										
Positive Control	AF-2 (747)	2-AA (1374)	NaN_3 (431)	2-AA (329)	AF-2 (1412)	2-AA (1032)	AF-2 (544)	2-AA (449)	9-AA (705)	2-AA (218)

* Growth inhibitation was observed.

Conc. μg/plate	Number of Revertants/plate									
	Base-substitution						Frame-shift			
	TA100		TA1535		WP2*uvr*A/pKM101		TA98		TA1537	
	S9−	S9+	S9−	S9+	S9−	S9+	S9−	S9+	S9−	S9+
DMSO	(130)	(109)	(7)	(9)	(47)	(67)	(18)	(24)	(7)	(12)
	113	145	7	11			8	40	6	15
	116	119	5	17			15	29	3	11
9 .77	(115)	(132)	(6)	(14)			(12)	(35)	(5)	(13)
	124	131	9	7			17	29	3	9
	104	141	5	25			14	28	11	5
19 .5	(114)	(136)	(7)	(16)			(16)	(29)	(7)	(7)
	71	107	7	16	30	71	24	28	5	11
	100	116	6	10	41	81	15	33	6	10
39 .1	(86)	(112)	(7)	(13)	(36)	(76)	(20)	(31)	(6)	(11)
	69	71	6	21	57	76	13	24	1	6
	66	47	7	6	56	70	11	20	2	3
78 .1	(68)	(59)	(7)	(14)	(57)	(73)	(12)	(22)	(2)	(5)
	2	5	6	9	53	76	11	23	1	10
	2	2	5	10	48	86	10	18	9	2
156	(2)	(4)	(6)	(10)	(51)	(81)	(11)	(21)	(5)	(6)
	0	0	0	1	44	90	8	28	2	1
	0	6	0	2	54	69	8	22	2	3
313	(0)	(3)	(0)	(2)	(49)	(80)	(8)	(25)	(2)	(2)
	1	1	2	6	57	64	0	5	1	3
	0	1	1	3	59	68	2	5	0	5
625	(1)	(1)	(2)	(5)	(58)	(66)	(1)	(5)	(1)	(4)
	1	5	0	5	45	57	1	1	2	0
	0	6	1	5	43	70	0	6	2	2
1250	(1)	(6)	(1)	(5)	(44)	(64)	(1)	(4)	(2)	(1)
	0	2	0	5	32	40	0	3	2	1
	1	3	0	5	33	46	1	0	2	1
2500	(1)	(3)	(0)	(5)	(33)	(43)	(1)	(2)	(2)	(1)
	1 *	5 *	0 *	3 *	3 *	10 *	0 *	6 *	2 *	2 *
	1 *	0 *	0 *	5 *	1 *	7 *	2 *	0 *	3 *	1 *
5000	(1 *)	(3 *)	(0 *)	(4 *)	(2 *)	(9 *)	(1 *)	(3 *)	(3 *)	(2 *)
Judgement	−	−	−	−	−	−	−	−	−	−
Specific Mutagenicity										
Positive Control	AF-2 (680)	2-AA (1299)	NaN_3 (447)	2-AA (290)	AF-2 (1095)	2-AA (880)	AF-2 (540)	2-AA (428)	9-AA (679)	2-AA (160)