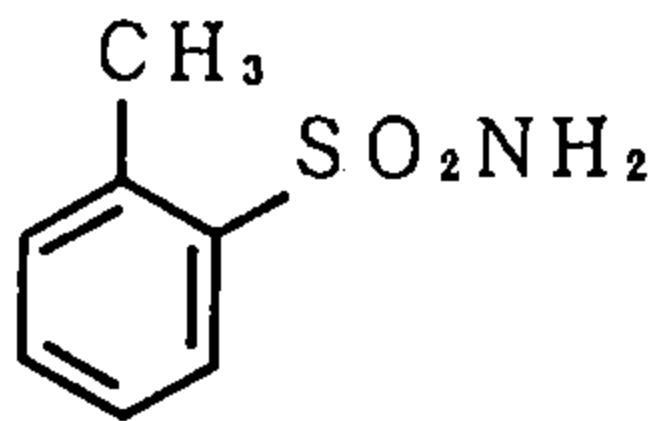


o-Toluenesulfonamide (o-トルエンスルホンアミド)

Chemical Name: o-Toluenesulfonamide
 Synonym: 2-Methylbenzenesulfonamide
 Molecular weight: 171.21
 Melting point: 156.3°C
 Boiling point: °C

Chemical Structure



CAS No: 88-19-7
 MITI No: (3)-1895

Source of Substance: Tokyo Kasei Kogyo Co. Ltd
 Lot. No.: FBM01
 Purity: extra pure reagent
 Vehicle: DMSO

Mutagenicity
 in Bacterial Test: Negative

IARC Evaluation: not yet cited

Judgement
 Specific Mutagenicity
 Positive
 Control

Con. μg/ plate	Experimental Data											
	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	(100)	(140)	(23)	(35)	(37)	(56)	(20)	(33)	(8)	(13)	(15)	(26)
	80	129	21	31	32	64	13	25	7	9	14	18
	109	143	23	31	31	73	12	29	15	11	8	23
20	(95)	(136)	(22)	(31)	(32)	(69)	(13)	(27)	(11)	(10)	(11)	(21)
	93	113	12	42	29	66	13	23	8	14	15	29
	90	124	16	29	28	52	20	27	9	12	8	28
50	(92)	(119)	(14)	(36)	(29)	(59)	(17)	(25)	(9)	(13)	(12)	(29)
	82	149	23	33	43	50	15	22	10	15	8	30
	122	139	22	33	38	63	15	28	8	16	8	23
100	(102)	(144)	(23)	(33)	(41)	(57)	(15)	(25)	(9)	(16)	(8)	(27)
	86	134	23	20	23	47	12	23	8	13	13	29
	88	108	28	23	21	32	15	22	6	16	11	30
200	(87)	(121)	(26)	(22)	(22)	(40)	(14)	(23)	(7)	(15)	(12)	(30)
	88	107	27	14	31	41	15	25	11	12	8	22
	85	109	25	25	27	52	15	31	13	12	7	25
500	(87)	(108)	(26)	(20)	(29)	(47)	(15)	(28)	(12)	(12)	(8)	(24)
	83	127	26	18	23	58	17	22	8	14	5	24
	94	119	25	25	23	56	20	24	6	13	9	23
1000	(89)	(123)	(26)	(22)	(23)	(57)	(19)	(23)	(7)	(14)	(7)	(24)
	87	110	23	37	27	54	13	27	9	15	9	24
	87	116	19	30	32	43	25	27	5	9	8	24
2000	(87)	(113)	(21)	(34)	(30)	(49)	(19)	(27)	(7)	(12)	(9)	(24)
	84	97	21	21	29	35	14	27	9	7	10	27
	81	91	20	31	33	43	12	37	5	8	3	22
5000	(83)	(94)	(21)	(26)	(31)	(39)	(13)	(32)	(7)	(8)	(7)	(25)
	-	-	-	-	-	-	-	-	-	-	-	-
	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(466)	(579)	(208)	(129)	(274)	(765)	(271)	(434)	(978)	(240)	(449)	(424)