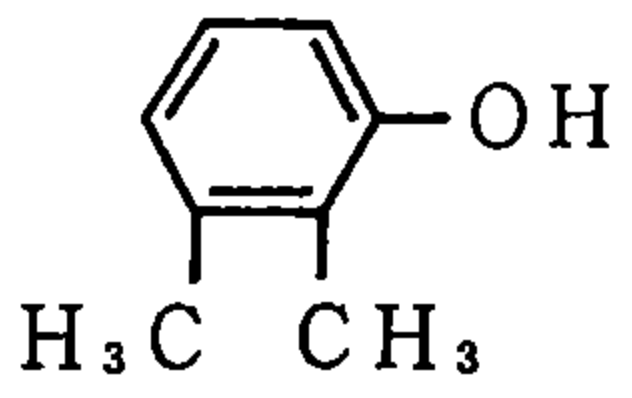


2,3-Xylenol (2,3-キシレン-ol)

Experimental Data

Chemical Name: 2,3-Xylenol Synonym 2,3-Dimethylphenol Molecular weight: 122.17 Melting point: 75°C Boiling point: 218°C  Chemical Structure   CAS No : 526-75-0 MITI No: (3)-521 Source of Substance: Wako Pure Chem. Ind., Ltd. Lot.No. : PEN6239 Purity: Vehicle: DMSO	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	(108)	(101)	(14)	(16)	(39)	(47)	(18)	(22)	(8)	(8)	(14)	(28)	
	92	93	18	15	34	36	18	26	5	8	20	21	
	89	118	14	14	46	38	17	21	8	6	20	18	
5	(91)	(106)	(16)	(15)	(40)	(37)	(18)	(24)	(7)	(7)	(20)	(20)	
	110	120	17	15	36	39	14	26	5	7	12	26	
	89	94	13	14	39	38	21	22	7	10	11	22	
10	(100)	(107)	(15)	(15)	(38)	(39)	(18)	(24)	(6)	(9)	(12)	(24)	
	113	110	23	15	37	48	12	27	6	5	18	23	
	94	97	11	13	34	42	21	21	6	7	17	16	
20	(104)	(104)	(17)	(14)	(36)	(45)	(17)	(24)	(6)	(6)	(18)	(20)	
	100	86	15	16	40	46	23	27	8	8	14	25	
	100	100	16	10	40	56	11	24	11	11	21	21	
50	(100)	(93)	(16)	(13)	(40)	(51)	(17)	(26)	(10)	(10)	(18)	(23)	
	88	99	22	16	37	38	13	21	5	12	12	26	
	115	97	18	12	38	36	10	22	7	13	13	25	
100	(102)	(98)	(20)	(14)	(38)	(37)	(12)	(22)	(6)	(13)	(13)	(26)	
	105	93	18	14	35	46	21	31	7	8	14	15	
	100	89	21	12	36	48	16	32	6	13	18	25	
200	(103)	(91)	(20)	(13)	(36)	(47)	(19)	(32)	(7)	(11)	(16)	(20)	
	78	100	20	7	36	25	8*	29	4	11	18*	23	
	96	81	17	10	42	24	18*	30	9	10	14*	30	
500	(87)	(91)	(19)	(9)	(39)	(25)	(13*)	(30)	(7)	(11)	(16*)	(27)	
	0*	56*	0*	0*	28*	0*	0*	13*	0*	5*	0*	16*	
	0*	47*	0*	0*	19*	0*	0*	14*	0*	5*	0*	14*	
1000	(0*)	(52*)	(0*)	(0*)	(24*)	(0*)	(0*)	(14*)	(0*)	(5*)	(0*)	(15*)	
	-	-	-	-	-	-	-	-	-	-	-	-	
Judgement Specific Mutagenicity													
Positive	AF2	2AA 0.5	NaN <sub>3</sub>	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA	
Control	(408)	(460)	(158)	(360)	(403)	(843)	(267)	(374)	(1210)	(246)	(459)	(454)	