

2-Ethyl-1-hexanol (2-エチルヘキサノール)

Experimental Data

Chemical Name: 2-Ethyl-1-hexanol Synonym: Ethylhexanol 1-Hexanol, 2-ethyl- Molecular weight: 130.23 Melting point: -76°C Boiling point: 183~186°C Flashing point: 77°C Chemical Structure $CH_3(CH_2)_3CH(C_2H_5)CH_2OH$ CAS No: 104-76-7 MITI No: (2)-217 Source of Substance: Tokyo Kasei Kogyo Co., Ltd. Lot. No.: AZ01 Purity: 99.0 % Vehicle: DMSO	Con. $\mu g/$ plate	Number of Revertants/plate									
		Base-substitution						Frame-shift			
		TA100		TA1535		WP2uvrA		TA98		TA1537	
		S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
DMSO	(122)	(135)	(17)	(14)	(42)	(43)	(15)	(25)	(5)	(8)	
	119	121	15	10	44	33	16	28	6	4	
5	(120)	(129)	(16)	(11)	(43)	(42)	(12)	(24)	(5)	(4)	
	138	132	17	13	39	50	7	19	7	11	
10	(128)	(135)	(16)	(13)	(46)	(46)	(12)	(17)	(6)	(10)	
	137	104	22	13	40	54	12	22	6	4	
	117	91	16	14	32	47	12	25	2	5	
20	(127)	(98)	(19)	(14)	(36)	(51)	(12)	(24)	(4)	(5)	
	123	111	13	9	33	55	11	31	3	5	
50	(121)	(124)	(15)	(10)	(40)	(50)	(9)	(30)	(5)	(6)	
	121	118	20	20	34	60	14	30	5	4	
	130	112	20	15	39	56	17	26	3	8	
100	(126)	(115)	(20)	(18)	(37)	(58)	(16)	(28)	(4)	(6)	
	124	132	18	13	41	57	16	33	5	6	
	137	124	10	12	45	41	11	31	7	7	
200	(131)	(128)	(14)	(13)	(43)	(49)	(14)	(32)	(6)	(7)	
	0*	0*	0*	0*	0*	26	0*	0*	0*	0*	
	0*	0*	0*	0*	0*	32	0*	0*	0*	0*	
500	(0*)	(0*)	(0*)	(0*)	(0*)	(29)	(0*)	(0*)	(0*)	(0*)	
Judgement	-	-	-	-	-	-	-	-	-	-	
Specific Mutagenicity											
Positive	AF2	2AA	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	
Control	(614)	(1050)	(344)	(263)	(486)	(1029)	(459)	(408)	(504)	(268)	