

Triethylene glycol (トリエチレングリコール)

Experimental Data

Chemical Name: Triethylene glycol Synonym: Triglycol 2,2' - [1,2-Ethanediy]bis (oxy)] bisethanol Molecular weight: 150.17 Melting point: °C Boiling point: 285°C Chemical Structure H(OCH ₂ CH ₂) ₃ OH CAS No: 112-27-6 MITI No: (2)-429 Source of Substance: Tokyo Kasei Kogyo Co. Ltd Lot. No.: DT01 Purity: Guaranteed reagent Vehicle: H ₂ O Mutagenicity in Bacterial Test: Negative IARC Evaluation: not yet cited Judgement Specific Mutagenicity Positive Control	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+
H ₂ O	(196)	(177)	(45)	(29)	(33)	(44)	(24)	(41)	(8)	(21)	(10)	(23)	
	166	152	42	40	35	38	42	39	10	31	12	27	
	201	160	33	43	38	41	26	35	16	43	16	28	
100	(184)	(156)	(38)	(42)	(37)	(40)	(34)	(37)	(16)	(37)	(14)	(28)	
	202	187	47	23	28	36	14	33	15	31	6	31	
	160	160	52	30	28	43	25	53	8	11	14	26	
200	(181)	(174)	(50)	(27)	(28)	(40)	(20)	(43)	(12)	(21)	(10)	(29)	
	205	180	55	35	27	31	13	43	9	7	17	30	
	174	203	37	36	42	29	16	42	9	25	11	39	
500	(190)	(192)	(46)	(36)	(35)	(30)	(15)	(43)	(9)	(16)	(14)	(35)	
	176	157	44	30	30	42	21	33	9	25	13	22	
	152	151	38	25	32	25	20	32	6	16	11	24	
1000	(164)	(154)	(41)	(28)	(31)	(33)	(21)	(33)	(8)	(21)	(12)	(23)	
	182	174	33	32	20	29	25	41	9	14	16	26	
	179	162	37	26	25	21	16	40	13	22	12	25	
2000	(181)	(168)	(35)	(29)	(23)	(25)	(21)	(41)	(11)	(18)	(14)	(26)	
	187	160	55	25	26	36	19	52	4	17	7	14	
	168	174	43	23	25	36	23	40	14	26	12	18	
5000	(178)	(167)	(49)	(24)	(26)	(36)	(21)	(46)	(9)	(22)	(10)	(16)	
	157	185	40	26	30	29	28	42	10	14	12	27	
	177	184	29	33	25	31	22	39	10	28	9	23	
10000	(167)	(185)	(35)	(30)	(28)	(30)	(25)	(41)	(10)	(21)	(11)	(25)	
	187	160	55	25	26	36	19	52	4	17	7	14	
	168	174	43	23	25	36	23	40	14	26	12	18	
	157	185	40	26	30	29	28	42	10	14	12	27	
	177	184	29	33	25	31	22	39	10	28	9	23	
	167	185	35	30	28	30	25	41	10	21	11	25	
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	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA 80	AF2	2AA	9AA	2AA	4NQO	2AA	
	(810)	(520)	(330)	(235)	(207)	(1142)	(506)	(317)	(119)	(421)	(348)	(543)	