Monoethanolamine (エタノールアミン)

Chemical Name: Monoethanolamine
Synonym 2-Aminoethanol
Molecular weight: 61.08
Melting point: 10.3℃
Boiling point: 170.8℃

Chemical Structure

$HO(CH_2)_2NH_2$

CAS No: 141-43-5
MITI No: (2)-301

Source of Substance:Tokyo Kasei Kogyo Co.Ltd
Lot.No.: AQ01
Purity: extra pure reagent
Vehicle: H_2O

Mutagenicity
in Bacterial Test: Negative

IARC Evaluation: not yet cited

Experimental Data

Number of Revertants/plate

Con. μg/plate	Base-substitution						Frame-shift					
	TA100		TA1535		WP2uvrA		TA98		TA1537		TA1538	
	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+	S9-	S9+
H_2O	(205)	(197)	(17)	(11)	(23)	(22)	(23)	(31)	(11)	(9)	(9)	(16)
	203	216	24	14	28	19	19	41	10	18	8	11
	203	214	28	9	30	33	19	35	8	25	14	15
50	(203)	(215)	(26)	(12)	(29)	(26)	(19)	(38)	(9)	(22)	(11)	(13)
	203	212	31	9	16	28	24	36	9	11	4	16
	192	203	28	10	13	28	17	28	8	14	13	14
100	(198)	(208)	(30)	(10)	(15)	(28)	(21)	(32)	(9)	(13)	(9)	(15)
	190	226	14	13	29	23	14	31	11	18	7	18
	207	209	19	10	17	23	17	33	9	9	11	21
200	(199)	(218)	(17)	(12)	(23)	(23)	(16)	(32)	(10)	(14)	(9)	(20)
	205	224	23	17	18	14	19	28	3	10	8	17
	205	215	20	7	20	28	18	32	9	30	6	13
500	(205)	(220)	(22)	(12)	(19)	(21)	(19)	(30)	(6)	(20)	(7)	(15)
	183	200	19	23	19	31	13	26	5	12	8	10
	193	182	10	14	32	21	31	30	6	21	8	5
1000	(188)	(191)	(15)	(19)	(26)	(26)	(22)	(28)	(6)	(17)	(8)	(8)
	51*	150	10*	15	11*	28*	8*	19	4*	9*	6*	6
	93*	145	14*	14	19*	29*	20*	23	4*	6*	5*	9
2000	(72*)	(148)	(12*)	(15)	(15*)	(29*)	(14*)	(21)	(4*)	(8*)	(6*)	(8)
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*	0*
5000	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)	(0*)
Judgement	−	−	−	−	−	−	−	−	−	−	−	−
Specific Mutagenicity												
Positive Control	AF2	2AA 0.5	NaN_3	2AA	AF2	2AA	AF2	2AA	9AA	2AA	4NQO	2AA
	(942)	(462)	(258)	(172)	(274)	(1071)	(293)	(301)	(307)	(255)	(296)	(227)