

N-Ethylethylenediamine (N-エチルエチレンジアミン)

<b>Chemical Name:</b>	N-Ethylethylenediamine
<b>Synonym</b>	N-Ethyl-1,2-ethanediamine 2-Ethylaminoethylamine
<b>Molecular weight:</b>	88.15
<b>Melting point:</b>	°C
<b>Boiling point:</b>	130°C
<b>Chemical Structure</b>	<chem>C2H5NH(CH2)2NH2</chem>
<b>CAS No:</b>	110-72-5
<b>MITI No:</b>	(2)-3275
<b>ML No:</b>	2-(10)-20
<b>Source of Substance:</b>	Tokyo Kasei Kogyo Co. Ltd
<b>Lot. No.:</b>	FCT33
<b>Purity:</b>	Guaranteed reagent
<b>Vehicle:</b>	H <sub>2</sub> O

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+
H <sub>2</sub> O	(177)	(177)	(28)	(15)	(28)	(40)	(28)	(43)	(5)	(16)	(13)	(21)
	167	176	25	17	32	36	39	37	6	17	16	23
	169	182	24	19	24	30	28	36	7	16	18	18
50	(168)	(179)	(25)	(18)	(28)	(33)	(34)	(37)	(7)	(17)	(17)	(21)
	173	181	42	8	38	35	35	32	5	12	8	22
	181	161	41	13	26	30	32	35	9	15	25	34
100	(177)	(171)	(42)	(11)	(32)	(33)	(34)	(34)	(7)	(14)	(17)	(28)
	212	165	25	16	33	23	28	41	11	17	6	26
	198	177	29	20	28	18	38	35	5	21	11	28
200	(205)	(171)	(27)	(18)	(31)	(21)	(33)	(38)	(8)	(19)	(9)	(27)
	204	213	32	28	34	25	38	37	11	22	13	26
	210	201	25	19	33	40	28	37	9	11	8	21
500	(207)	(207)	(29)	(24)	(34)	(33)	(33)	(37)	(10)	(17)	(11)	(24)
	235	222	28	21	48	46	23	33	12	11	16	24
	205	219	15	26	40	32	30	30	4	8	19	24
1000	(220)	(221)	(22)	(24)	(44)	(39)	(27)	(32)	(8)	(10)	(18)	(24)
	133*	216	11*	18	27*	45*	24*	27*	4*	11*	13*	19
	95*	222	9*	31	34*	39*	20*	32*	5*	23*	8*	13
2000	(144*)	(219)	(10*)	(25)	(31*)	(42*)	(22*)	(30*)	(5*)	(17*)	(11*)	(16)
	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*)
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	AF2	2AA 0.5	NaN <sub>3</sub>	2AA	AF2	2AA 80	AF2	2AA	9AA	2AA	4NQO	2AA
	(774)	(630)	(417)	(286)	(250)	(963)	(476)	(351)	(119)	(421)	(299)	(329)