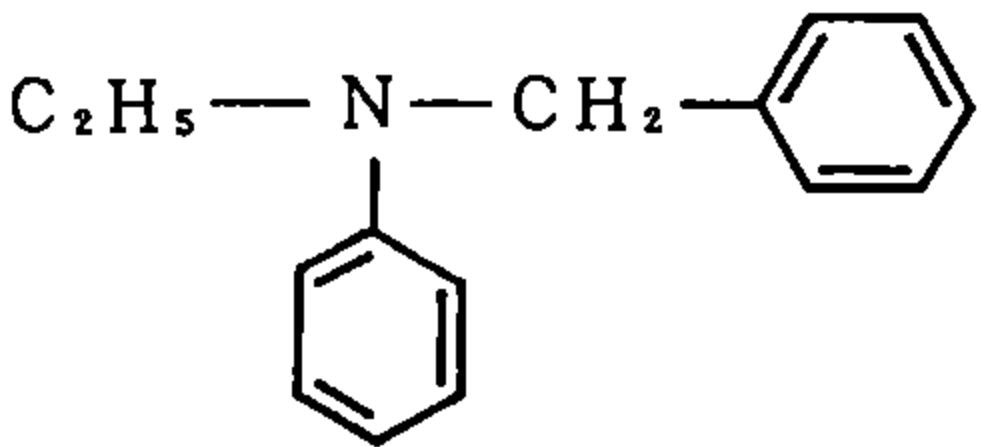


N-Benzyl-N-ethylaniline (ベンジルエチルアニリン)

Chemical Name:	N-Benzyl-N-ethylaniline
Synonym	Ethylbenzylaniline
	N-Ethyl-N-phenyl
	benzenemethanamine
	N-Ethyl-N-phenylbenzylamine
Molecular weight:	211.31
Melting point:	°C
Boiling point:	285~286°C
Chemical Structure	
CAS No:	92-59-1
MITI No:	(3)-377
Source of Substance:	Tokyo Kasei Kogyo Co. Ltd
Lot.No.:	FBQ01
Purity:	extra pure reagent
Vehicle:	DMSO

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+	
DMSO	(100)	(103)	(23)	(20)	(54)	(65)	(19)	(31)	(12)	(19)	(9)	(18)
	95	100	22	22	49	73	13	25	8	19	11	17
20	(96)	(105)	(20)	(22)	(54)	(67)	(17)	(26)	(9)	(16)	(12)	(19)
	99	107	21	23	64	67	12	29	7	23	10	12
	93	108	22	26	54	69	19	34	9	18	11	21
50	(96)	(108)	(22)	(25)	(59)	(68)	(16)	(32)	(8)	(21)	(11)	(17)
	102	104	19	26	46	62	20	24	9	13	8	20
	92	106	19	20	61	67	28	31	5	20	12	18
100	(97)	(105)	(19)	(23)	(54)	(65)	(24)	(28)	(7)	(17)	(10)	(19)
	99	110	27	24	55	55	29	24	9	18	10	21
	99	103	13	22	57	56	30	32	10	12	9	20
200	(99)	(107)	(20)	(23)	(56)	(56)	(30)	(28)	(10)	(15)	(10)	(21)
	98	102	16	20	58	63	15	32	13	10	6	19
	93	104	25	21	61	52	13	21	10	15	7	21
500	(96)	(103)	(21)	(21)	(60)	(58)	(14)	(27)	(12)	(13)	(7)	(20)
	96	43	24	22	63	70	32	35	9	6	9	24
	95	52	22	18	61	61	26	35	10	5	10	24
1000	(96)	(48)	(23)	(20)	(62)	(66)	(29)	(35)	(10)	(6)	(10)	(24)
	106	33	19	12	55	61	26	21	11	9	9	23
	96	31	23	16	61	69	39	18	7	10	11	16
2000	(101)	(32)	(21)	(14)	(58)	(65)	(33)	(20)	(9)	(10)	(10)	(20)
	100	0*	10	0*	55	68	36	0*	9	0*	5	0*
	99	0*	15	0*	48	78	31	0*	13	0*	7	0*
5000	(100)	(0*)	(13)	(0*)	(52)	(73)	(34)	(0*)	(11)	(0*)	(6)	(0*)
	—	—	—	—	—	—	—	—	—	—	—	—
	AF2	2AA 0.5	NaN ₃	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(391)	(510)	(229)	(194)	(178)	(953)	(328)	(417)	(888)	(325)	(343)	(307)