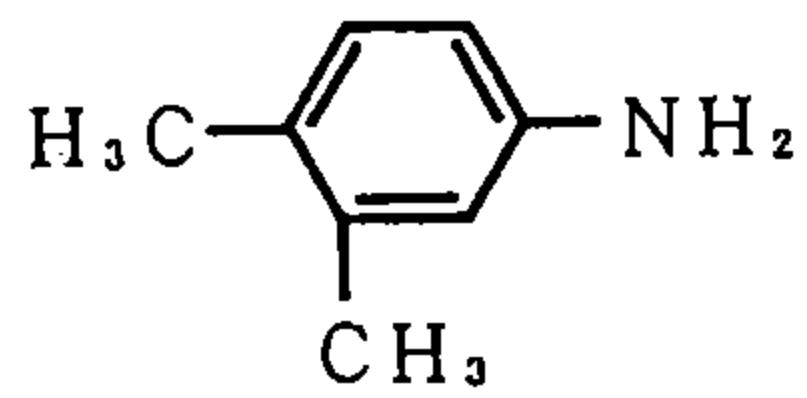


3,4-Xylidine (3,4-キシリジン)

Chemical Name:	3,4-Xylidine
Synonym	1-Amino-3,4-dimethylbenzene Benzenamine, 3,4-dimethyl-
Molecular weight:	121.18
Melting point:	49°C
Boiling point:	226°C
Chemical Structure	
CAS No:	95-64-7
MITI No:	(3)-129
Source of Substance:	Wako Pure Chem. Ind., Ltd.
Lot.No.:	STM9243
Purity:	
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	(110)	(103)	(21)	(15)	(36)	(42)	(14)	(28)	(10)	(12)	(17)	(21)
	99	97	18	17	47	55	16	21	9	9	15	25
10	(89)	(110)	(15)	(14)	(45)	(39)	(10)	(33)	(8)	(13)	(15)	(21)
	(94)	(104)	(17)	(16)	(46)	(47)	(13)	(27)	(9)	(11)	(15)	(23)
	92	101	18	13	44	45	17	16	10	13	15	20
	106	103	23	20	37	46	18	37	9	13	12	26
20	(99)	(102)	(21)	(12)	(41)	(46)	(18)	(27)	(10)	(13)	(14)	(23)
	96	124	17	18	36	43	14	33	8	9	18	29
	89	108	16	13	38	50	19	26	6	12	20	21
50	(93)	(116)	(17)	(16)	(37)	(50)	(17)	(30)	(7)	(11)	(19)	(25)
	88	131	24	17	42	40	20	33	7	10	22	27
	89	125	16	17	40	59	17	24	8	10	16	26
100	(89)	(128)	(20)	(17)	(41)	(50)	(19)	(29)	(8)	(10)	(19)	(27)
	92	125	19	17	43	55	17	29	10	10	18	25
	93	129	14	14	47	45	14	36	7	9	13	25
200	(93)	(127)	(17)	(16)	(45)	(50)	(16)	(33)	(9)	(10)	(16)	(25)
	90	135	18	15	33	48	14	33	13	9	16	31
	89	140	18	10	33	60	14	44	7	9	17	26
500	(90)	(138)	(18)	(13)	(33)	(54)	(14)	(39)	(10)	(9)	(17)	(29)
	103	119	20	13	39	56	18	38	7	16	12	34
	94	119	14	16	31	42	11	39	11	14	10	36
1000	(99)	(119)	(17)	(15)	(35)	(49)	(15)	(39)	(9)	(15)	(11)	(35)
	96	86	18	13	29	40	15	25	5	12	10*	23
	90	74	10	11	22	48	8	29	9	11	6*	20
2000	(93)	(80)	(14)	(12)	(26)	(44)	(12)	(27)	(7)	(12)	(8*)	(22)
	—	—	—	—	—	—	—	—	—	—	—	—
	AF2	2AA 0.5	NaN <sub>3</sub>	2AA	AF2	2AA	AF2	2AA	9AA	2AA	2NF	2AA
	(410)	(491)	(235)	(201)	(408)	(764)	(224)	(822)	(1064)	(153)	(456)	(718)