

3'-Amino-4'-methoxyacetanilide

[3'-アミノ-4'-メトキシアセトアニリド]

Experimental Data - 1

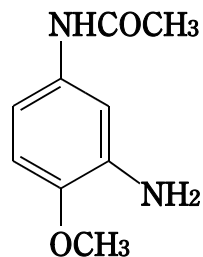
Experimental Data - 2

(B9305-1/1)

Chemical Name; 3'-Amino-4'-methoxyacetanilide
 Synonym ; 5-Acetamido-2-methoxyaniline
 5-Acetamido-2-anisidine
 N-(3-Amino-4-methoxyphenyl)-
 acetamide
 5-アセトアミノ-2-メトキシアニリン
 5-アセトアミド-2-メトキシベンゼン
 N-(3-アミノ-4-メトキシフェニル)アセトアミド

Molecular Weight ; 180.21
 Melting Point ; 106 - 109 °C
 Boiling Point ; - °C
 Flashing Point ; - °C
 Molecular Formula; C₉H₁₀N₂O₂

Chemical Structure



CAS No. ; 6375-47-9
 MITI No. ; (3)-731 , (3)-2797
 ML No. ; -
 Specified Chemical Substances; -

Source of Substance; Tokyo Kasei Kogyo Co., Ltd.
 Lot No. ; A001
 Purity ; 96.0 %

Vehicle ; DMSO

Mutagenicity in Bacterial Test ; **Positive**

IARC Evaluation ; not yet cited

Conc. µg/plate	Number of Revertants/plate			
	Base-substitution		Frame-shift	
	TA100		TA98	
	S9-	S9+	S9-	S9+
DMSO	(139)	(146)	(19)	(27)
	135	144	21	18
	145	149	7	22
0.0763	(140)	(147)	(14)	(20)
	139	157	20	29
	150	184	21	23
0.305	(145)	(171)	(21)	(26)
	143	128	21	26
	129	145	11	26
1.22	(136)	(137)	(16)	(26)
	145	163	23	29
	141	177	15	29
4.88	(143)	(170)	(19)	(29)
	152	207	15	59
	151	198	13	46
19.5	(152)	(203)	(14)	(53)
	155	262	20	104
	131	279	16	115
78.1	(143)	(271)	(18)	(110)
	141	445	23	253
	159	416	16	254
313	(150)	(431)	(20)	(254)
	138	514	21	677
	148	511	17	763
1250	(143)	(513)	(19)	(720)
	146*	446	25*	1677
	135*	482	24*	1748
5000	(141*)	(464)	(25*)	(1713)
Judgement	-	+	-	+
Specific Mutagenicity		911		1060
Positive Control	AF-2 (717)	2-AA (934)	AF-2 (590)	2-AA (290)

Conc. µg/plate	Number of Revertants/plate			
	Base-substitution		Frame-shift	
	TA100		TA98	
	S9-	S9+	S9-	S9+
DMSO	(172)	(166)	(16)	(24)
				33
				24
2.44				(29)
				34
				22
4.88				(28)
		174		41
		187		24
9.77		(181)		(33)
		170		43
		200		43
19.5		(185)		(43)
	185	195	16	33
	190	199	14	53
39.1	(188)	(197)	(15)	(43)
	191	214	14	49
	205	234	21	40
78.1	(198)	(224)	(18)	(45)
	181	286	17	54
	174	306	26	68
156	(178)	(296)	(22)	(61)
	151	330	26	112
	152	319	34	115
313	(152)	(325)	(30)	(114)
	177	439	18	
	202	405	21	
625	(190)	(422)	(20)	
	176	591	15	
	197	609	13	
1250	(187)	(600)	(14)	
	186		20	
	163		23	
2500	(175)		(22)	
	179*		16*	
	169*		20*	
5000	(174*)		(18*)	
Judgement	-	+	-	+
Specific Mutagenicity		410		288
Positive Control	AF-2 (635)	2-AA (1205)	AF-2 (736)	2-AA (320)