

[3'-アミノ-4'-メトキシアセトアニリド]

Experimental Data without Metabolic Activation

Chemical Name; 3'-Amino-4'-methoxyacetanilide

Synonym ; 5-Acetamino-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-アニシジン

N-(3-アミノ-4-メトキシフェニル)アセトアミド

Molecular Weight ; 180.21

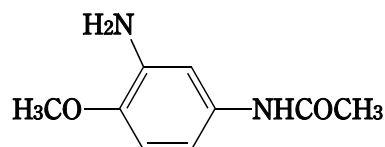
Melting Point ; 106 - 109 °C

Boiling Point ; - °C

Flashing Point ; - °C

Molecular Formula; C₉H₁₁N₂O₂

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

Substance	Treatment		No. of Metaphase	Polyploid (%)	Judge- ment	Cell with Structural Chromosome Aberration (%)							Judge- ment
	Time (h)	Concent- ration (mg/ml)				Chromatid					Total		
						Gap	CTB	CTE	CSB	CSE	-G	+G	
DMSO	24	1.0 %	200	2.0	-	0.0	0.5	0.0	0.0	0.0	0.5	0.5	-
	48	1.0 %	200	1.5	-	0.0	1.0	1.0	0.0	0.0	2.0	2.0	-
Test Chemical	24	0.25	200	1.0	-	0.0	1.5	0.0	0.0	0.0	1.5	1.5	-
		0.5	200	1.5	-	0.5	1.0	1.0	0.0	0.0	2.0	2.0	-
		1.0	200	0.0	-	0.5	1.0	0.5	0.0	0.0	1.5	2.0	-
		2.0	200	0.5	-	1.0	2.5	4.5	0.0	0.0	6.5	7.5	±
		3.0	200	0.5	-	3.0	15.5	12.5	0.0	0.0	23.5	25.0	+
	48	0.25	200	0.0	-	0.5	1.0	1.0	0.0	0.0	2.0	2.0	-
		0.5	200	0.0	-	0.0	0.5	0.5	0.0	0.0	1.0	1.0	-
		1.0	200	2.0	-	1.0	2.0	4.0	0.0	0.0	5.0	6.0	±
		2.0	200	1.0	-	0.5	3.5	4.5	0.0	0.0	7.5	8.0	±
		3.0				No observation for metaphase							
Positive	24	0.00004	200	3.0	-	2.0	11.0	15.0	0.0	0.0	23.0	23.0	+
Control [MMC]	48	0.00004	200	2.5	-	1.5	15.0	30.0	0.0	0.0	40.0	40.5	+

※ There was no observation for metaphase with both treatment of 24Hr and 48Hr at 4.0 mg/ml.

Judgement for

Chromosomal Aberration in CHL ; **Positive**

IARC Evaluation

; not yet cited

Experimental Data with Metabolic Activation

Treatment			No. of Metaphase	Polyploid (%)	Judge- ment	Cell with Structural Chromosome Aberration (%)							Judge- ment
Substance	S9 mix	Concent- ration (mg/ml)				Chromatid		Chromosome		Total			
						Gap	CTB	CTE	CSB	CSE	-G	+G	
DMSO	-	1.0 %	200	0.5	-	0.5	0.0	0.0	0.0	0.0	0.0	0.5	-
	+	1.0 %	200	1.5	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
Test Chemical	-	0.019	200	1.0	-	1.0	0.0	0.5	0.0	0.0	0.5	1.5	-
		0.078	200	2.5	-	0.0	0.5	0.5	0.0	0.0	1.0	1.0	-
		0.31	200	1.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-
		1.3	200	4.0	-	0.0	1.0	0.5	0.0	0.0	1.5	1.5	-
		5.0	200	3.5	-	0.0	0.5	2.0	0.0	0.0	2.0	2.0	-
	+	0.019	200	1.0	-	0.0	1.0	4.5	0.0	0.0	4.5	4.5	-
		0.078	200	3.0	-	2.0	7.5	19.5	0.0	0.0	21.0	21.5	+
		0.31	200	6.0	±	2.5	9.5	22.0	0.0	0.0	24.5	24.5	+
		1.3	200	2.0	-	1.5	12.5	20.5	0.0	0.0	23.5	23.5	+
		5.0	200	2.5	-	2.5	19.0	30.0	0.0	0.0	34.5	34.5	+
Positive Control [B(a)P]	-	0.01	200	0.0	-	0.5	0.5	0.0	0.0	0.0	0.5	1.0	-
	+	0.01	200	2.0	-	1.5	6.0	34.0	0.0	0.0	36.5	36.5	+