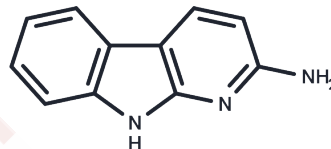


AalphaC

Chemical Properties

CAS No. :	26148-68-5
Formula:	C ₁₁ H ₉ N ₃
Molecular Weight:	183.21
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	AalphaC (2-Amino-alpha-carboline) is a potential carcinogen.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 60 mg/mL (327.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4582 mL	27.2911 mL	54.5822 mL
5 mM	1.0916 mL	5.4582 mL	10.9164 mL
10 mM	0.5458 mL	2.7291 mL	5.4582 mL
50 mM	0.1092 mL	0.5458 mL	1.0916 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Yuan ZX, Jha G, McGregor MA, King RS. Metabolites of the carcinogen 2-amino-alpha-carboline formed in male Sprague-Dawley rats in vivo and in rat hepatocyte and human HepG2 cell incubates. *Chem Res Toxicol.* 2007 Mar; 20(3):497-503. Epub 2007 Feb 10. PubMed PMID: 17291013; PubMed Central PMCID: PMC2105743.
- Smith CJ, Qian X, Zha Q, Moldoveanu SC. Analysis of alpha- and beta-carbolines in mainstream smoke of reference cigarettes by gas chromatography-mass spectrometry. *J Chromatogr A.* 2004 Aug 13;1046(1-2):211-6. PubMed PMID: 15387190.
- Novak M, Nguyen TM. Unusual reactions of the model carcinogen N-acetoxy-N-acetyl-2-amino-alpha-carboline. *J Org Chem.* 2003 Dec 26;68(26):9875-81. PubMed PMID: 14682678.
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