

## AalphaC

**Chemical Properties**

CAS No.:	26148-68-5
Formula:	C11H9N3
Molecular Weight:	183.21
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	AalphaC is a potential carcinogen.
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**Solubility Information**

Solubility	DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.458 mL	27.291 mL	54.582 mL
5 mM	1.092 mL	5.458 mL	10.916 mL
10 mM	0.546 mL	2.729 mL	5.458 mL
50 mM	0.109 mL	0.546 mL	1.092 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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.
2. 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.
3. 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.
4. Horie H, Zeisig M, Hirayama K, Midtvedt T, Möller L, Rafter J. Probiotic mixture decreases DNA adduct formation in colonic epithelium induced by the food mutagen 2-amino-9H-pyrido[2,3-b]indole in a human-flora associated mouse model. *Eur J Cancer Prev.* 2003 Apr;12(2):101-7. PubMed PMID: 12671533.

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