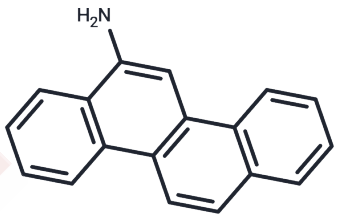
Data Sheet (Cat.No.T13519)

TargetMol

6-Aminochrysene

Chemical Properties



CAS No. : 2642-98-0

Formula: C18H13N

Molecular Weight: 243.3

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	6-Aminochrysene (6-Chrysenamine) is an inhibitor of the growth of several solid experimental tumors and can be used in studies about splenomegaly, breast cancer and myeloid leukemia.
Targets(IC50)	Others
In vivo	6-Aminochrysene inhibited the hydroxylation of aniline, O-demethylation of p-nitroanisole, and N-demethylation of aminopyrine by rat liver microsomes[1].
Animal Research	In Male CD rats, intraperitoneal injections of 6-Aminochrysene with 25, 50, and 100 mg/kg are pre-treated once daily for 3 consecutive days before sacrifice[1].

Solubility Information

Solubility	DMSO: 90.0 mg/mL (369.9 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1102 mL	20.5508 mL	41.1015 mL
5 mM	0.822 mL	4.1102 mL	8.2203 mL
10 mM	0.411 mL	2.0551 mL	4.1102 mL
50 mM	0.0822 mL	0.411 mL	0.822 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.

Reference

Russo R, et al. Effects of 6-aminochrysene on liver microsomal enzyme activity. Xenobiotica. 1976 Apr;6(4):201-5.
Lambelin G, et al. Carcinogenicity of 6-aminochrysene in mice. Eur J Cancer. 1975 May;11(5):327-34.

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