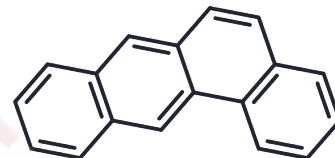


Benz[a]anthracene

Chemical Properties

CAS No. :	56-55-3
Formula:	C ₁₈ H ₁₂
Molecular Weight:	228.29
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	Benz[a]anthracene is a large, polycyclic aromatic hydrocarbon (PAH) consisting of four fused benzene rings that forms primarily as a byproduct from the incomplete combustion of organic matter. Benz[a]anthracene is considered a probable human carcinogen based on toxicological data; Benz[a]anthracene is found in significant sources such as tobacco and cigarette smoke, coal tar, vehicle exhaust emissions, and some cooked foods, making Benz[a]anthracene a compound of interest in researches in cancer pathogenesis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3804 mL	21.902 mL	43.8039 mL
5 mM	0.8761 mL	4.3804 mL	8.7608 mL
10 mM	0.438 mL	2.1902 mL	4.3804 mL
50 mM	0.0876 mL	0.438 mL	0.8761 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

Huang G, et al. Removal of 1,2-benzanthracene via the intercalation of 1,2-benzanthracene with DNA and magnetic bead-based separation. Nucleosides Nucleotides Nucleic Acids. 2021;40(2):137-156.

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