

## 2-Aminophenanthrene

## Chemical Properties

CAS No. :	3366-65-2
Formula:	C <sub>14</sub> H <sub>11</sub> N
Molecular Weight:	193.24
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	2-Aminophenanthrene is a polycyclic aromatic amine biomedical compound primarily used in investigative research as a model compound for studying metabolic activation, DNA adduct formation, and the mechanisms of mutagenesis and carcinogenesis associated with this class of environmental contaminants.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1749 mL	25.8746 mL	51.7491 mL
5 mM	1.035 mL	5.1749 mL	10.3498 mL
10 mM	0.5175 mL	2.5875 mL	5.1749 mL
50 mM	0.1035 mL	0.5175 mL	1.035 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

Gupta RC, Earley K. 32P-adduct assay: comparative recoveries of structurally diverse DNA adducts in the various enhancement procedures. Carcinogenesis. 1988 Sep;9(9):1687-93.

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