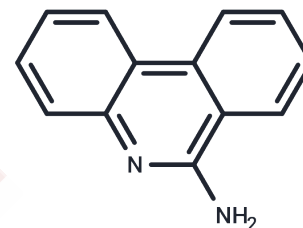


6-Aminophenanthridine

Chemical Properties

CAS No. :	832-68-8
Formula:	C ₁₃ H ₁₀ N ₂
Molecular Weight:	194.23
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	6-Aminophenanthridine is an antiprion agent. It inhibits prion formation in yeast- and mammalian-based screening assays when used alone and, to a greater extent, when used in combination with the α 2-adrenergic receptor agonist guanabenz. 6-Aminophenanthridine (300 μ M) inhibits protein folding activity of the ribosome (PFAR) by directly competing with protein substrates for the active site and decreases the yield of refolded protein without affecting the refolding rate. It prevents progressive wing position defects in a <i>Drosophila</i> model of oculopharyngeal muscular dystrophy (OPMD) when larvae are raised on medium containing doses ranging from 300 to 400 μ M and in adults following dietary administration of 1-3 mM doses. 6-Aminophenanthridine also reduces muscle degeneration and decreases the number of nuclear inclusions in thoracic muscle in a <i>Drosophila</i> model of OPMD.
Targets(IC50)	Others

Solubility Information

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

	1mg	5mg	10mg
1 mM	5.1485 mL	25.7427 mL	51.4854 mL
5 mM	1.0297 mL	5.1485 mL	10.2971 mL
10 mM	0.5149 mL	2.5743 mL	5.1485 mL
50 mM	0.103 mL	0.5149 mL	1.0297 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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