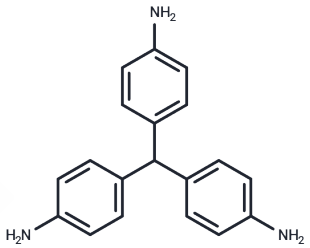
Data Sheet (Cat.No.T19073)

TargetMol

Tris(4-aminophenyl)methane

Chemical Properties



CAS No. : 548-61-8

Formula: C19H19N3

Molecular Weight: 289.37

Storage: Keep away from direct sunlight
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	Tris(4-aminophenyl)methane (Leucopararosaniline), a triphenylmethane dye, is a weak HCV helicase inhibitor.
Targets(IC50)	HCV Protease
In vitro	Tris(4-aminophenyl)methane shows weak HCV helicase inhibition (30% inhibition at 100 μM) [1].
Cell Research	1. Use as an HCV helicase inhibitor 1. Dissolution: Leucopararosaniline is generally dissolved in DMSO or water, and the specific solvent depends on the experimental requirements. The solubility may be low, so an appropriate concentration needs to be used. 2. Inhibitor concentration: In experiments, the concentration of Leucopararosaniline is usually between 1-10 μM, and the specific concentration needs to be optimized according to experimental conditions. 3. Cell treatment: In the virus infection model, Leucopararosaniline is added to the cell culture and treated for a certain period of time to inhibit HCV helicase and observe its effect on viral replication. 2. Use as a dye: 1. Dissolve it in an appropriate solvent (such as PBS or DMSO), then add it to the experimental system for staining. 2. Specific staining conditions (such as staining concentration, time, etc.) need to be optimized according to experimental requirements. The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.

Solubility Information

Solubility	DMSO: 55 mg/mL (190.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (8.64 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4558 mL	17.2789 mL	34.5578 mL
5 mM	0.6912 mL	3.4558 mL	6.9116 mL
10 mM	0.3456 mL	1.7279 mL	3.4558 mL
50 mM	0.0691 mL	0.3456 mL	0.6912 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

Chen CS, et al. Structure-based discovery of triphenylmethane derivatives as inhibitors of hepatitis C virushelicase. J Med Chem. 2009 May 14;52(9):2716-23.