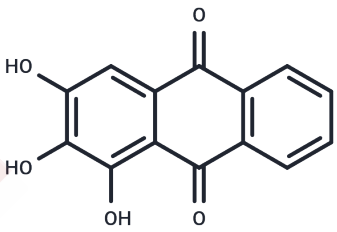
Data Sheet (Cat.No.T30086)

TargetMol

Anthragallol

Chemical Properties



CAS No. : 602-64-2

Formula: C14H8O5

Molecular Weight: 256.21

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	Anthragallol (1,2,3-Trihydroxyanthraquinone) shows cytotoxicity by binding to DNA. Anthragallol can be used as an analytical reagent for the production of brown pickle colorants.
Targets(IC50)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 6.25 mg/mL (24.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.903 mL	19.5152 mL	39.0305 mL
5 mM	0.7806 mL	3.903 mL	7.8061 mL
10 mM	0.3903 mL	1.9515 mL	3.903 mL
50 mM	0.0781 mL	0.3903 mL	0.7806 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

Gao Y, et, al. Spectroscopic studies on the interaction between anthragallol and DNA using of ethidium bromide as a fluorescence probe. Spectrochim Acta A Mol Biomol Spectrosc. 2015 Apr 15;141:239-43.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481