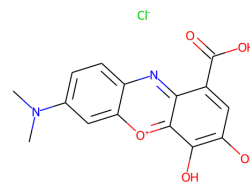


Gallocyanine

Chemical Properties

CAS No. :	1562-85-2
Formula:	C ₁₅ H ₁₃ ClN ₂ O ₅
Molecular Weight:	336.73
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Gallocyanine is a small molecule blue dye used to stain nuclei. It is known to inhibit Dickkopf-1 (Dkk1), an antagonist of the Wnt pathway. Gallocyanine can disrupt the interaction of Dkk1 with its receptor LRP5/6 (IC ₅₀ = 3 μM), thereby activating Wnt/β-catenin signaling. Modulation of the Dkk1-LRP5/6 interaction via gallocyanine has been shown to inhibit prostaglandin J ₂ -induced tau phosphorylation at serine396 in primary cortical neurons in vitro.
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Solubility Information

Solubility	DMSO: 74 mg/mL (219.76 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9697 mL	14.8487 mL	29.6974 mL
5 mM	0.5939 mL	2.9697 mL	5.9395 mL
10 mM	0.297 mL	1.4849 mL	2.9697 mL
50 mM	0.0594 mL	0.297 mL	0.5939 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481