Data Sheet (Cat.No.T0314)

TargetMol

Hexylresorcinol

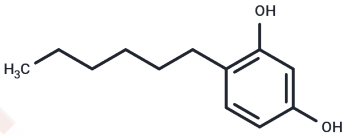
Chemical Properties

CAS No. : 136-77-6

Formula: C12H18O2

Molecular Weight: 194.27

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	Hexylresorcinol (4-Hexylresorcinol) is a substituted dihydroxybenzene utilized topically as an antiseptic for minor skin infection treatment.
Targets(IC50)	Apoptosis,Endogenous Metabolite,Antibacterial,Parasite,Glucosidase,glycosidase, Tyrosinase

Solubility Information

Solubility	Ethanol: 36 mg/mL (185.31 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 50 mg/mL (257.37 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 mg/mL (10.29 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	5.1475 mL	25.7374 mL	51.4748 mL
5 mM	1.0295 mL	5.1475 mL	10.295 mL
10 mM	0.5147 mL	2.5737 mL	5.1475 mL
50 mM	0.1029 mL	0.5147 mL	1.0295 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

Kweon H, et al. Biomaterials. 2014 Oct;35(30):8576-84.
Chen F, Shi Q, Pei F, et al. A systems-level study reveals host-targeted repurposable drugs against SARS-CoV-2 infection. Molecular Systems Biology. 2021, 17(8): e10239

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