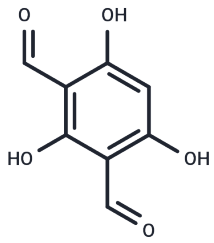
Data Sheet (Cat.No.TN7218)

TargetMol

Diformylphloroglucinol

Chemical Properties



CAS No. : 4396-13-8

Formula: C8H6O5

Molecular Weight: 182.13

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	Diformylphloroglucinol (2,4,6-Trihydroxyisophthalaldehyde) is an acyl resorcinol isolated from the leaves of the Eucalyptus nigra tree and is a raw material for the synthesis of resorcinol compounds with antioxidant and antiulcer activity.
Targets(IC50)	Antioxidant

Solubility Information

Solubility	DMSO: 45 mg/mL (247.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4906 mL	27.4529 mL	54.9058 mL
5 mM	1.0981 mL	5.4906 mL	10.9812 mL
10 mM	0.5491 mL	2.7453 mL	5.4906 mL
50 mM	0.1098 mL	0.5491 mL	1.0981 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

Chakrabortty P, et al. Diformylphloroglucinol derived imine based covalent organic frameworks (PHTA) as efficient organocatalyst for conversion of isocyanates to urea derivatives. Molecular Catalysis. 2022;522: 112213.
Lawrence AL, et al. A short biomimetic synthesis of the meroterpenoids guajadial and psidial A. Org Lett. 2010;12 (8):1676-1679.

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