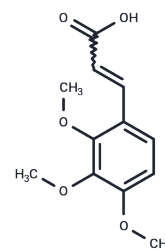


Trans-2,3,4-Trimethoxycinnamic acid

Chemical Properties

CAS No. :	33130-03-9
Formula:	C ₁₂ H ₁₄ O ₅
Molecular Weight:	238.24
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Trans-2,3,4-Trimethoxycinnamic acid, a natural derivative of cinnamic acid, competitively inhibits the binding of 3-oxo-C8-HSL to TraR and exhibits good antitoxic activity and antibiofilm activity against Escherichia coli.
Targets(IC50)	Lipid

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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

Wang L, et al. Crystal Structure, Photophysical Properties and Antibacterial Activity of a Cd(II) Complex with Trans-2,3,4-Trimethoxycinnamic Acid and 4,4'-Bipyridine Ligands. *Polymers (Basel)*. 2024 Sep 19;16(18):2643.

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