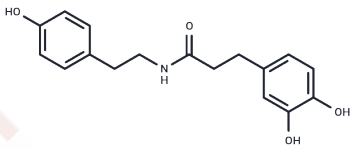
Data Sheet (Cat.No.TN7572)

TargetMol

Dihydro-N-Caffeoyltyramine

Chemical Properties



CAS No. : 501939-19-1

Formula: C17H19NO4

Molecular Weight: 301.34

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	Dihydro-N-Caffeoyltyramine is a compound extracted from Lycii Cortex that has antioxidant and antifungal activities and can be used to study fungal infections.
Targets(IC50)	Antioxidant,Antifungal,DNA/RNA Synthesis
In vitro	Dihydro-N-Caffeoyltyramine were mediated via CCAAT/enhancer-binding protein (C/EBP) and activator protein 1 (AP-1). Dihydro-N-Caffeoyltyramine reduced PMA-induced C/EBPbeta protein expression and c-jun/c-fos gene and protein expression. [1]

Solubility Information

Solubility	DMSO: 50 mg/mL (165.93 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3185 mL	16.5926 mL	33.1851 mL
5 mM	0.6637 mL	3.3185 mL	6.637 mL
10 mM	0.3319 mL	1.6593 mL	3.3185 mL
50 mM	0.0664 mL	0.3319 mL	0.6637 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

Han EH, et al. Dihydro-N-caffeoyltyramine down-regulates cyclooxygenase-2 expression by inhibiting the activities of C/EBP and AP-1 transcription factors. Food Chem Toxicol. 2010 Feb;48(2):579-86.

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