

tricoumaroyl spermidine

Chemical Properties

CAS No. : 131086-78-7

Formula: C34H37N3O6

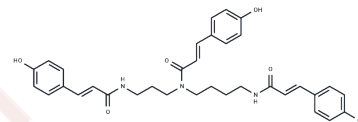
Molecular Weight: 583.67

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	Tricoumaroyl spermidine(N1,N5,N10-(Z)-tri-p-coumaroylspermidine) was discovered as unique tea (Camellia sinensis) flower metabolites.
Targets(IC50)	5-HT Receptor
In vivo	Tricoumaroyl spermidine shows weak inhibition effect on [3H]-5-HT reuptake in rat brain synaptosomes.

Solubility Information

Solubility	DMSO: 60 mg/mL (102.8 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7133 mL	8.5665 mL	17.133 mL
5 mM	0.3427 mL	1.7133 mL	3.4266 mL
10 mM	0.1713 mL	0.8566 mL	1.7133 mL
50 mM	0.0343 mL	0.1713 mL	0.3427 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

Isolation and purification of coumaroylspermidines from *Carthamus tinctorius* L. and their inhibition effects on [3 H]-5-HT reuptake. *Journal of Shanxi Medical University*, 2015.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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