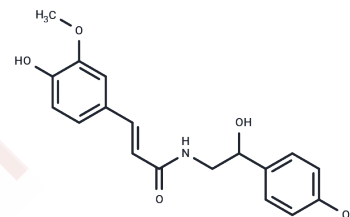


N-Feruloyloctopamine

Chemical Properties

CAS No. :	66648-44-0
Formula:	C ₁₈ H ₁₉ NO ₅
Molecular Weight:	329.35
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	N-Feruloyloctopamine is a natural product.
Targets(IC50)	Apoptosis,Akt,p38 MAPK,Cadherin

Solubility Information

Solubility	DMSO: 145 mg/mL (440.26 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: 3.3 mg/mL (10.02 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0363 mL	15.1814 mL	30.3628 mL
5 mM	0.6073 mL	3.0363 mL	6.0726 mL
10 mM	0.3036 mL	1.5181 mL	3.0363 mL
50 mM	0.0607 mL	0.3036 mL	0.6073 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

Bai ZT, et al. Inhibition of invasion by N-trans-feruloyloctopamine via AKT, p38MAPK and EMT related signals in hepatocellular carcinoma cells. Bioorg Med Chem Lett. 2017 Feb 15;27(4):989-993.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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