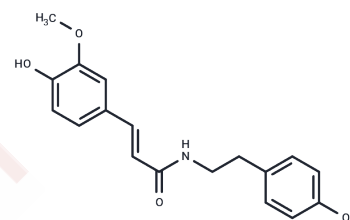


N-trans-Feruloyltyramine

Chemical Properties

CAS No. :	66648-43-9
Formula:	C18H19NO4
Molecular Weight:	313.35
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	1. N-trans-Feruloyltyramine (Feruloyltyramine)(NTF) has hepatoprotective effect. 2. NTF has antioxidative activity against A β (1-42)-induced neuronal death. 3. NTF is likely to inhibit COX enzymes, thereby suppressing P-selectin expression on platelets, is a platelet aggregation inhibitor. 4. NTF inhibits melanogenesis in a dose-dependent manner, NTF induces downregulation of tyrosinase resulted in suppression of melanin biosynthesis in murine B16 melanoma cells.
Targets(IC50)	Apoptosis, Reactive Oxygen Species, COX, ROS

Solubility Information

Solubility	DMSO: 12 mg/mL (38.3 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: 2 mg/mL (6.38 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	3.1913 mL	15.9566 mL	31.9132 mL
5 mM	0.6383 mL	3.1913 mL	6.3826 mL
10 mM	0.3191 mL	1.5957 mL	3.1913 mL
50 mM	0.0638 mL	0.3191 mL	0.6383 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

N-trans-feruloyltyramine inhibits LPS-induced NO and PGE2 production in RAW 264.7 macrophages: Involvement of AP-1 and MAP kinase signalling pathways[J]. *Chemico-Biological Interactions*, 2015, 235:56-62.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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