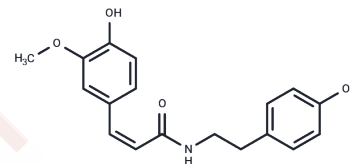


## Cis-N-Feruloyltyramine

## Chemical Properties

CAS No. :	80510-09-4
Formula:	C <sub>18</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	313.35
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	Cis-N-Feruloyltyramine is a naturally occurring compound found in various plants that shows cytotoxicity against the P-388 cancer cell line. Cis-N-Feruloyltyramine is an inhibitor of in vitro prostaglandin (PG) synthesis.
Targets(IC50)	NO Synthase,Prostaglandin Receptor

## Solubility Information

Solubility	DMSO: 250 mg/mL (797.83 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	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

- Zhang L, et al. Antioxidants and  $\alpha$ -glucosidase inhibitors from Ipomoea batatas leaves identified by bioassay-guided approach and structure-activity relationships. Food Chem. 2016 Oct 1;208:61-7.
- Chang KC, et al. A cytotoxic butenolide, two new dolabellane diterpenoids, a chroman and a benzoquinol derivative formosan Casearia membranacea. Planta Med. 2003 Jul;69(7):667-72.

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