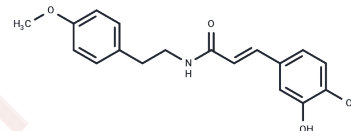


## N-Caffeoyl O-methyltyramine

## Chemical Properties

CAS No. :	189307-47-9
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	N-Caffeoyl O-methyltyramine is isolated from <i>Cuscuta reflexa</i> with strong inhibitory activity against $\alpha$ -glucosidase with IC <sub>50</sub> of 103.58 $\mu$ M.
Targets(IC <sub>50</sub> )	Glucosidase, glycosidase

## Solubility Information

Solubility	DMSO: 55 mg/mL (175.52 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (7.98 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

Anis E, et al. Alpha-glucosidase inhibitory constituents from *Cuscuta reflexa*. Chem Pharm Bull (Tokyo). 2002 Jan; 50(1):112-4.

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