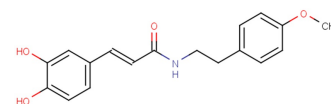


## N-Caffeoyl O-methyltyramine

## Chemical Properties

CAS No.:	189307-47-9
Formula:	C <sub>18</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	313.35
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## 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> )	$\alpha$ -glucosidase: 103.58 $\mu$ M

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.191 mL	15.957 mL	31.913 mL
5 mM	0.638 mL	3.191 mL	6.383 mL
10 mM	0.319 mL	1.596 mL	3.191 mL
50 mM	0.064 mL	0.319 mL	0.638 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481