



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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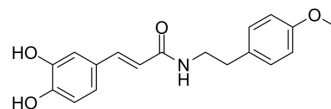
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## N-Caffeoyl O-methyltyramine

Cat. No.:	HY-N7203
CAS No.:	189307-47-9
Molecular Formula:	C <sub>18</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	313.35
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (797.83 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mg	
			1 mg	5 mg	10 mg
	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
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.64 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	N-Caffeoyl O-methyltyramine is a class of alkaloid isolated from <i>Cuscuta reflexa</i> with strong inhibitory activity against α-glucosidase (IC <sub>50</sub> of 103.58 μM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 103.58 μM (α-glucosidase) <sup>[1]</sup>

### REFERENCES

[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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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