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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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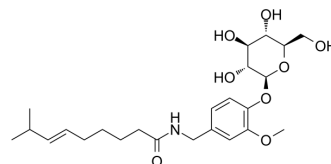
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Capsaicin β -D-glucopyranoside

Cat. No.:	HY-N9452
CAS No.:	153409-16-6
Molecular Formula:	C ₂₄ H ₃₇ NO ₈
Molecular Weight:	467.55
Target:	Others
Pathway:	Others
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (213.88 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.1388 mL	10.6940 mL	21.3881 mL
		5 mM		0.4278 mL	2.1388 mL	4.2776 mL
	10 mM		0.2139 mL	1.0694 mL	2.1388 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: \geq 2.5 mg/mL (5.35 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: \geq 2.5 mg/mL (5.35 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 2.5 mg/mL (5.35 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Capsaicin β -D-glucopyranoside is a glucoside converted by Capsaicin. Capsaicin is the active ingredient of chili peppers and gives them the characteristic pungent flavor ^{[1][2]} .
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REFERENCES

[1]. Higashiguchi F, et al. Purification and structure determination of glucosides of capsaicin and dihydrocapsaicin from various Capsicum fruits. J Agric Food Chem. 2006;54(16):5948-5953.

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

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