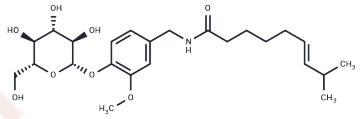
Data Sheet (Cat.No.T39018)

TargetMol

Capsaicin β-D-glucopyranoside

Chemical Properties



CAS No. : 153409-16-6

Formula: C24H37NO8

Molecular Weight: 467.56

Storage: Keep away from moisture,Keep away from direct sunlight
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	Capsaicin β-D-glucopyranoside is a glucoside derived from capsaicin through metabolic conversion that exhibits activity against human TRPVI (EC50 = 4.69 μM).
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80.00 mg/mL (171.10 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1388 mL	10.6938 mL	21.3876 mL
5 mM	0.4278 mL	2.1388 mL	4.2775 mL
10 mM	0.2139 mL	1.0694 mL	2.1388 mL
50 mM	0.0428 mL	0.2139 mL	0.4278 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

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.
Sharma SK, et al. Mechanisms and clinical uses of capsaicin. Eur J Pharmacol. 2013;720(1-3):55-62.
Smith JD, et al. Discovery and isolation of novel capsaicinoids and their TRPV1-related activity. Eur J Pharmacol. 2025;999:177700.

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