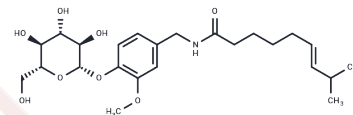


Capsaicin β -D-glucopyranoside

Chemical Properties

CAS No. :	153409-16-6
Formula:	C ₂₄ H ₃₇ N ₀ O ₈
Molecular Weight:	467.559
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	Capsaicin β -D-glucopyranoside, a glucoside converted by Capsaicin, is the bioactive compound found in chili peppers responsible for their characteristic pungent flavor.
Targets(IC50)	Others

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.

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