

3-Hydroxyphloridzin

Chemical Properties

CAS No. : 30779-02-3

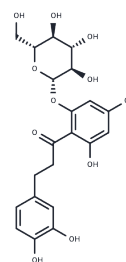
Formula: C₂₁H₂₄O₁₁

Molecular Weight: 452.41

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	3-Hydroxyphloridzin is a natural dihydrochalcone glycoside with inhibitory activity against xanthine dehydrogenase (IC ₅₀ = 52.1 μM).
Targets(IC50)	Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2104 mL	11.0519 mL	22.1038 mL
5 mM	0.4421 mL	2.2104 mL	4.4208 mL
10 mM	0.221 mL	1.1052 mL	2.2104 mL
50 mM	0.0442 mL	0.221 mL	0.4421 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

Pompermaier L, Heiss EH, Alilou M, Mayr F, Monizi M, Lautenschlaeger T, Schuster D, Schwaiger S, Stuppner H. Dihydrochalcone Glucosides from the Subaerial Parts of *Thonningia sanguinea* and Their in Vitro PTP1B Inhibitory Activities. *J Nat Prod.* 2018 Sep 28;81(9):2091-2100.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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