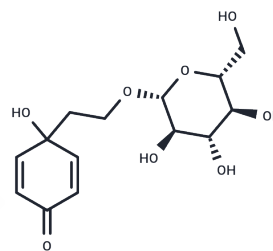


Cornoside

Chemical Properties

CAS No. :	40661-45-8
Formula:	C ₁₄ H ₂₀ O ₈
Molecular Weight:	316.3
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	Cornoside is a natural phenolic glycoside that inhibits rat lens aldose reductase (AR) activity, reducing oxidative stress and inflammation in diabetic complications.
Targets(IC50)	Reductase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1616 mL	15.8078 mL	31.6156 mL
5 mM	0.6323 mL	3.1616 mL	6.3231 mL
10 mM	0.3162 mL	1.5808 mL	3.1616 mL
50 mM	0.0632 mL	0.3162 mL	0.6323 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

Hong Mei Li, et al. Analysis of the inhibitory activity of Abeliophyllum distichum leaf constituents against aldose reductase by using high-speed counter current chromatography. Arch Pharm Res. 2013 Sep;36(9):1104-12.
Wang Z, et al. Phytochemistry, pharmacology, quality control and future research of Forsythia suspensa (Thunb.) Vahl: A review. J Ethnopharmacol. 2018 Jan 10;210:318-339.

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