

4-Hydroxycinnamamide

Chemical Properties

CAS No. :	194940-15-3
Formula:	C ₉ H ₉ NO ₂
Molecular Weight:	163.17
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	4-Hydroxycinnamamide is a natural cinnamic acid derivative that can be isolated from plants such as Berberis pruinosa. 4-Hydroxycinnamamide exhibits α -glucosidase inhibitory activity.
Targets(IC50)	ATPase,EGFR,Calcium Channel,AMPK,Glucosidase,glycosidase,p38 MAPK,Potassium Channel,Sodium Channel

Solubility Information

Solubility	DMSO: 64 mg/mL (392.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.1286 mL	30.6429 mL	61.2858 mL
5 mM	1.2257 mL	6.1286 mL	12.2572 mL
10 mM	0.6129 mL	3.0643 mL	6.1286 mL
50 mM	0.1226 mL	0.6129 mL	1.2257 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

Nishioka T, et al. Isolation and activity of N-p-coumaroyltyramine, an α -glucosidase inhibitor in welsh onion (*Allium fistulosum*)[J]. Bioscience, biotechnology, and biochemistry, 1997, 61(7): 1138-1141.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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