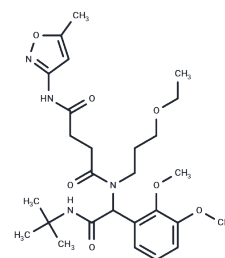


## Quercetin 3-(6''-caffeoylsophoroside)

## Chemical Properties

CAS No. :	1032595-77-9
Formula:	C27H40N4O7
Molecular Weight:	532.63
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	Quercetin 3-(6''-caffeoylsophoroside) is an orally active compound exhibiting $\alpha$ -amylase inhibitory activity with an IC50 value of 73.66 $\mu$ g/mL, and demonstrates antidiabetic effects through the reduction of oxidative stress. It is found in the hydro-methanolic extract of <i>Cardamine hirsuta</i> Linn and is utilized in diabetes mellitus research [1].
Targets(IC50)	Others,Amylase
In vivo	Quercetin 3-(6''-caffeoylsophoroside) at doses of 50, 100, 500, 1000, and 2000 mg/kg administered orally was found to be safe in acute oral toxicity tests with SD rats, indicating its potential for anti-diabetic research [1]. Additionally, this compound at 125, 250, and 500 mg/kg doses effectively improved type 2 diabetes in SD rats by reducing oxidative stress and inhibiting $\alpha$ -amylase activity [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8775 mL	9.3874 mL	18.7748 mL
5 mM	0.3775 mL	1.8775 mL	3.755 mL
10 mM	0.1877 mL	0.9387 mL	1.8775 mL
50 mM	0.0375 mL	0.1877 mL	0.3755 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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