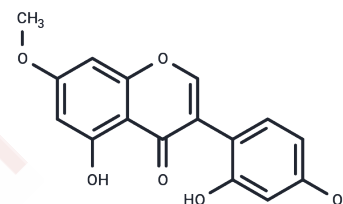


Cajanin

Chemical Properties

CAS No. :	32884-36-9
Formula:	C ₁₆ H ₁₂ O ₆
Molecular Weight:	300.26
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	Cajanin has potential hypolipidemic effects, possibly via up-regulating the ABCA1 protein expression, subsequently resulting in increased macrophage cholesterol efflux and RCT, it can significantly improve basal glucose uptake in HepG2 cells, its improving effect is concentration dependent, it exhibits effects stronger than that of rosiglitazone, which has been used as an antidiabetic drug.
Targets(IC50)	ERK,MEK,Akt,Tyrosinase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3304 mL	16.6522 mL	33.3045 mL
5 mM	0.6661 mL	3.3304 mL	6.6609 mL
10 mM	0.333 mL	1.6652 mL	3.3304 mL
50 mM	0.0666 mL	0.333 mL	0.6661 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

Flavonoids and isoflavonoids from Sophorae Flos improve glucose uptake in vitro. *Planta Med.* 2010 Jan;76(1):79-81.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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