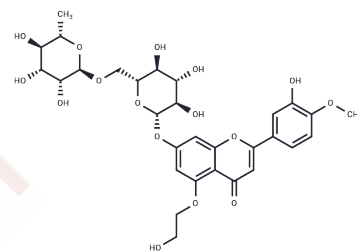


Hidrosmin

Chemical Properties

CAS No. :	115960-14-0
Formula:	C ₃₀ H ₃₆ O ₁₆
Molecular Weight:	652.60
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	Hidrosmin is a flavonoid compound and a derivative of Diosmin. It offers beneficial effects on diabetic nephropathy (DN) by reducing inflammation, oxidative stress, and aging pathways. Hidrosmin is applicable in research concerning venous insufficiency and diabetes.
Targets(IC50)	Interleukin,NADPH
In vitro	Hidrosmin (0.1-1 mM) reduces cytokine expression in kidney cells exposed to high glucose and/or inflammatory conditions and regulates redox balance genes.
In vivo	Hidrosmin (300 mg/kg, administered orally via feeding once daily for 7 weeks) can ameliorate kidney damage in diabetic mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5323 mL	7.6617 mL	15.3233 mL
5 mM	0.3065 mL	1.5323 mL	3.0647 mL
10 mM	0.1532 mL	0.7662 mL	1.5323 mL
50 mM	0.0306 mL	0.1532 mL	0.3065 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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