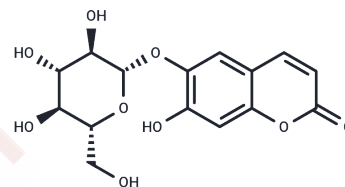


Esculin sesquihydrate

Chemical Properties

CAS No. : 66778-17-4
 Formula: C₁₅H₁₆O₉.3/2H₂O
 Molecular Weight: 367.31
 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	Esculin sesquihydrate, a coumarin glucoside with fluorescent properties and a constituent of ash bark, improves cognitive deficits associated with experimental diabetic nephropathy (DN). It also offers anti-oxidative and anti-inflammatory benefits through the MAPK signaling pathway [1] [2].
Targets(IC50)	p38 MAPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7225 mL	13.6125 mL	27.225 mL
5 mM	0.5445 mL	2.7225 mL	5.445 mL
10 mM	0.2722 mL	1.3612 mL	2.7225 mL
50 mM	0.0544 mL	0.2722 mL	0.5445 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.

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