

Quercetin 3-O-(6-O-malonyl-β-D-galactoside)

Chemical Properties

CAS No. : 84392-08-5

Formula: C₂₄H₂₂O₁₅

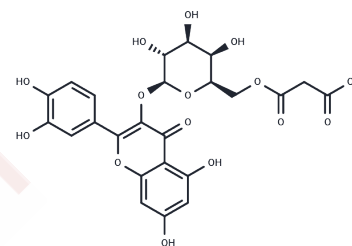
Molecular Weight: 550.42

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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-O-(6-O-malonyl-β-D-galactoside), derived from Apocynum venetum, is a potent antioxidant that effectively scavenges DPPH free radicals, exhibiting an EC ₅₀ of 11.4 μM. Quercetin 3-O-(6-O-malonyl-β-D-galactoside) is used in oxidative stress research systems to investigate flavonoid-derived radical scavenging mechanisms, redox balance regulation, and antioxidant capacity in biochemical and cellular assay models.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8168 mL	9.084 mL	18.1679 mL
5 mM	0.3634 mL	1.8168 mL	3.6336 mL
10 mM	0.1817 mL	0.9084 mL	1.8168 mL
50 mM	0.0363 mL	0.1817 mL	0.3634 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

Kamata K, et al. Constituents from leaves of Apocynum venetum L. J Nat Med. 2008 Apr;62(2):160-3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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