

Triumbelletin

Chemical Properties

CAS No. : 131559-54-1

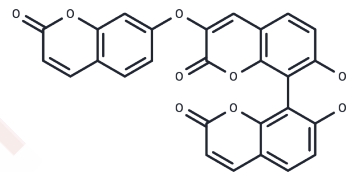
Formula: C₂₇H₁₄O₉

Molecular Weight: 482.39

Storage: Store at low temperature, Keep away from direct sunlight

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	Triumbelletin is a tricycoumarin rhamnopyranoside obtained from Wikstroemia indica with antitumour activity for the study of tumours.
Targets(IC50)	Others,PPAR
In vitro	Triumbelletin exhibits certain antioxidant activity and also shows activity against colon cancer cell lines SW480 and SW620[1][2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.073 mL	10.3651 mL	20.7301 mL
5 mM	0.4146 mL	2.073 mL	4.146 mL
10 mM	0.2073 mL	1.0365 mL	2.073 mL
50 mM	0.0415 mL	0.2073 mL	0.4146 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

Bernhard Kreher, et al. Triumbelletin, A tricycoumarin rhamnopyranoside from Daphne mezereum. *Phytochemistry*, 1990, 29 (11): 3633-3637.

Soltani S, et al. New Specific α -Glucosidase Inhibitor Flavonoid from Thymelaea tartonraira Leaves: Structure Elucidation, Biological and Molecular Docking Studies. *Chem Biodivers*. 2023 Mar;20(3):e202200944.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481