

Yadanzioside C

Chemical Properties

CAS No. : 95258-16-5

Formula: C₃₄H₄₆O₁₇

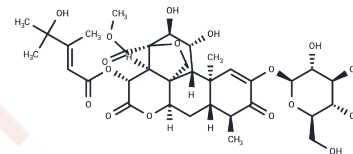
Molecular Weight: 726.72

Storage:

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

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	Yadanzioside C is a quassinoid and terpenoid extracted from <i>Brucea javanica</i> that has the potential to inhibit InhA enzyme (Mycobacterium enoyl acyl carrier protein reductase) and to act as an anti-tuberculosis (TB) drug potential.
Targets(IC50)	Antibacterial
In vitro	Methods: PANC-1 and SW1990 cells were treated with Yadanzioside C (0.01-100 µg/mL, 72 hours) and SRB analysis was performed. Results: The IC ₅₀ values of Yadanzioside G for PANC-1 and SW1990 cells were 28 µg/mL and greater than 10 µg/mL. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.376 mL	6.8802 mL	13.7605 mL
5 mM	0.2752 mL	1.376 mL	2.7521 mL
10 mM	0.1376 mL	0.688 mL	1.376 mL
50 mM	0.0275 mL	0.1376 mL	0.2752 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

Zhao M, et al. Seven quassinoids from Fructus Bruceae with cytotoxic effects on pancreatic adenocarcinoma cell lines. *Phytother Res.* 2011 Dec;25(12):1796-800.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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