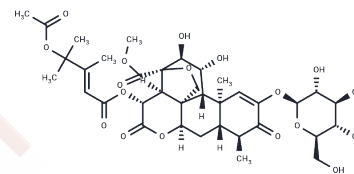


Yadanzioside G

Chemical Properties

CAS No. :	95258-17-6
Formula:	C ₃₆ H ₄₈ O ₁₈
Molecular Weight:	768.76
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Yadanzioside G is a quassinoid and terpenoid extracted from <i>Brucea javanica</i> with antipancreatic cancer activity, inhibition of InhA enzyme (<i>Mycobacterium</i> enoyl acyl carrier protein reductase) and potential as an anti-tuberculosis (TB) drug.
Targets(IC50)	Antibacterial
In vitro	Methods: PANC-1 and SW1990 cells were treated with Yadanzioside G (0.01-100 µg/mL, 72 hours) and SRB analysis was performed. Results: The IC50 values of Yadanzioside G for PANC-1 and SW1990 cells were 60 µg/mL and greater than 10 µg/mL. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3008 mL	6.504 mL	13.008 mL
5 mM	0.2602 mL	1.3008 mL	2.6016 mL
10 mM	0.1301 mL	0.6504 mL	1.3008 mL
50 mM	0.026 mL	0.1301 mL	0.2602 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.
- Fukamiya N, et al. Antitumor agents, 127. Bruceoside C, a new cytotoxic quassinoid glucoside, and related compounds from *Brucea javanica*. *J Nat Prod.* 1992 Apr;55(4):468-75.

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