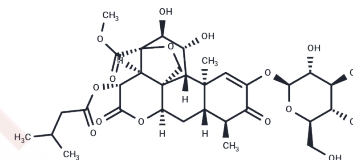


## Yadanzioside A

## Chemical Properties

CAS No. :	95258-15-4
Formula:	C <sub>32</sub> H <sub>44</sub> O <sub>16</sub>
Molecular Weight:	684.68
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Yadanzioside A is a quassinoid and terpenoid extracted from <i>Brucea javanica</i> with antipancreatic cancer activity, inhibition of InhA enzyme (Mycobacterium enoyl acyl carrier protein reductase) and potential as an anti-tuberculosis (TB) drug.
Targets(IC50)	Others
In vitro	Yadanzioside A exhibits certain antitumor activity, especially against pancreatic cancer cell lines (PANC-1 and SW1990).

## Solubility Information

Solubility	DMSO: 40 mg/mL (58.42 mM), Sonication is recommended. Ethanol: 20 mg/mL (29.21 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.46 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.4605 mL	7.3027 mL	14.6054 mL
5 mM	0.2921 mL	1.4605 mL	2.9211 mL
10 mM	0.1461 mL	0.7303 mL	1.4605 mL
50 mM	0.0292 mL	0.1461 mL	0.2921 mL

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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.

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