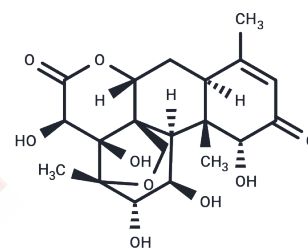


## Yadanziolide C

## Chemical Properties

CAS No. :	95258-12-1
Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>9</sub>
Molecular Weight:	410.42
Storage:	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	Yadanziolide C induces differentiation with cultured HL-60 promyelocytic leukemia cells.
Targets(IC50)	Others
In vitro	A novel lignan, guaiacylglycerol-beta-O-6'-(2-methoxy)cinnamyl alcohol ether, three known simaroubolides, brusatol, dehydrobrusatol, Yadanziolide C, and the known terpenoid, blumenol A, were obtained as active compounds from an ethyl acetate-soluble extract of Brucea javanica, using a bioassay based on the induction of cell differentiation with human promyelocytic leukemia (HL-60) cells.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4365 mL	12.1826 mL	24.3653 mL
5 mM	0.4873 mL	2.4365 mL	4.8731 mL
10 mM	0.2437 mL	1.2183 mL	2.4365 mL
50 mM	0.0487 mL	0.2437 mL	0.4873 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

A lignan and four terpenoids from Brucea javanica that induce differentiation with cultured HL-60 promyelocytic leukemia cells. *Phytochemistry*. 1996 Sep;43(2):409-12.

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