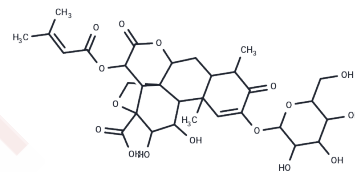


## Bruceoside D

## Chemical Properties

CAS No. :	167782-22-1
Formula:	C <sub>31</sub> H <sub>40</sub> O <sub>16</sub>
Molecular Weight:	668.64
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	Bruceoside D is a quassinoid natural product discovered in <i>Brucea javanica</i> , exhibiting inhibitory activity against HIV replication in the H9 T-lymphoid cell line (IC <sub>50</sub> = 3 μM) and demonstrating potential anticancer activity.
Targets(IC <sub>50</sub> )	HIV Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4956 mL	7.4779 mL	14.9557 mL
5 mM	0.2991 mL	1.4956 mL	2.9911 mL
10 mM	0.1496 mL	0.7478 mL	1.4956 mL
50 mM	0.0299 mL	0.1496 mL	0.2991 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

Ohnishi S, Fukamiya N, Okano M, Tagahara K, Lee KH. Bruceosides D, E, and F, three new cytotoxic quassinoid glucosides from *Brucea javanica*. *J Nat Prod.* 1995 Jul;58(7):1032-8.

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