

Sarcandrolide D

Chemical Properties

CAS No.:	1207185-03-2
Formula:	C ₃₇ H ₄₂ O ₁₂
Molecular Weight:	678.7
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Targets(IC ₅₀)	Others: None
In vitro	METHODS AND RESULTS: Five new sesquiterpenoid dimers, sarcandrolides F-J (1-5), three new sesquiterpenoid monomers (6-8), and 14 known sesquiterpenoids, were isolated from the whole plants of <i>Sarcandra glabra</i> . The absolute configurations of compounds 1-5 were established by the CD exciton chirality method. CONCLUSIONS: Compound 1 represents the first example of a lindenane-type sesquiterpenoid dimer bearing a hydroperoxy group at C-5. Compounds 1 and 3 exhibited cytotoxicity against the HL-60 cell line with IC ₅₀ values of 0.03 and 1.2 μM, respectively.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.473 mL	7.367 mL	14.734 mL
5 mM	0.295 mL	1.473 mL	2.947 mL
10 mM	0.147 mL	0.737 mL	1.473 mL
50 mM	0.029 mL	0.147 mL	0.295 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Cytotoxic sesquiterpenoids from *Sarcandra glabra*. *Tetrahedron*, 2013, 69(2):564---569.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481