

Przewalskin

**Chemical Properties**

CAS No.:	119400-87-2
Formula:	C18H24O2
Molecular Weight:	272.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Przewalskin A and Przewalskin B showed modest anti-HIV-1 activity with EC50 = 41 and 30 microg/mL, respectively.
Targets(IC50)	HIV: None
In vitro	Two new abietane diterpenoids, yunnannin A and danshenol C, were isolated from <i>Salvia yunnanensis</i> together with ten known diterpenoids, danshenol A, Przewalskin, tanshinone IIA, tanshinone I, cryptotanshinone, 1,2-dihydrotanshinone, tanshinlactone, 5,6-dehydrosugiol, 12-hydroxy-6,7-seco-8,11,3-abietatriene-6,7-dial and phytol. METHODS AND RESULTS: Their structures were established based on spectroscopic data, chemical reactions and comparison with literature data. Compounds were tested for their antitumor activity in T-24, QGY, K562, Me180 and BIU87 cell lines. Compound showed inhibited growth of K562 (IC50=0.53 microg/mL), T-24 (IC50=7.94 microg/mL), QGY (IC50=4.65 microg/mL) and Me180 (IC50=6.89 microg/mL) cell lines while compound was inactive. Compound showed moderate inhibitory activity on QGY (IC50=16.75 microg/mL) and Me180 (IC50=5.84 microg/mL) cells.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.671 mL	18.355 mL	36.711 mL
5 mM	0.734 mL	3.671 mL	7.342 mL
10 mM	0.367 mL	1.836 mL	3.671 mL
50 mM	0.073 mL	0.367 mL	0.734 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. Two new abietane diterpenoids from *Salvia yunnanensis*. *Planta Med.* 2006 Jan;72(1):84-6.
2. Przewalskin A: A new C<sub>23</sub> terpenoid with a 6/6/7 carbon ring skeleton from *Salvia przewalskii* maxim. *Org.Lett.*,2006 Sep 28;8(20):4453-6.
3. Przewalskin B, a novel diterpenoid with an unprecedented skeleton from *Salvia przewalskii* maxim. *Org Lett.* 2007 Jan 18;9(2):291-3.

Inhibitors · Natural Compounds · Compound Libraries

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