

# Tubeimoside I

## Catalog No: tcsc3733



### Available Sizes

**Size:** 10mg

**Size:** 50mg



### Specifications

**CAS No:**

102040-03-9

**Formula:**

$C_{63}H_{98}O_{29}$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Tubeimoside-1; Lobatoside-H

**Observed Molecular Weight:**

1319.44

### Product Description

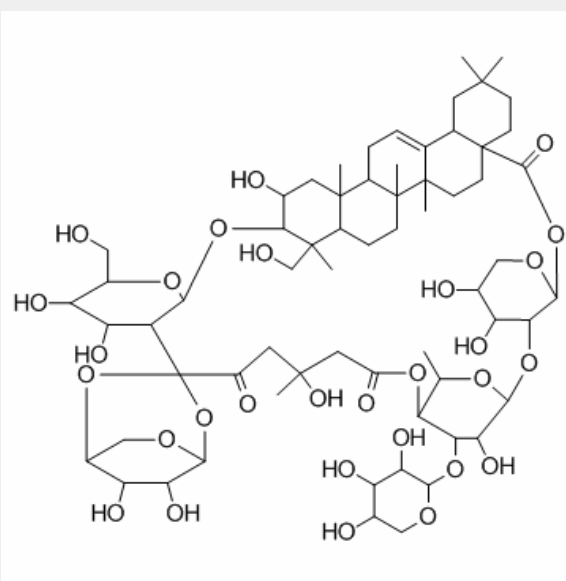
Tubeimoside I(Lobatoside-H) is an extract from Chinese herbal medicine *Bolbostemma paniculatum* (MAXIM.) FRANQUET (Cucurbitaceae) has been shown as a potent anti-tumor agent for a variety of human cancers.

IC50 value:

Target: Anticancer natural compound

in vitro: TBMS I inhibited the proliferation of both HepG2 and L-02 cells in a dose- and time-dependent manner, but HepG2 cells appeared more sensitive to the agent. When exposed to TBMS I for 24, 48 and 72 h, IC50 for HepG2 cells versus L-02 cells were 15.5 vs. 23.1, 11.7 vs. 16.2, 9.2 vs. 13.1 ( $\mu\text{M}$ , p

in vivo: TBMS1 significantly inhibited the production of the pro-inflammatory cytokines, TNF- $\alpha$ , IL-6 and IL-1 $\beta$  in vitro and in vivo. Pretreatment with TBMS1 markedly attenuated the development of pulmonary edema, histological severities and inflammatory cells infiltration in mice with ALI [3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!