

# Lobetyolin

Catalog No: tcsc0008890



## Available Sizes

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

129277-38-9

**Formula:**

$C_{20}H_{28}O_8$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

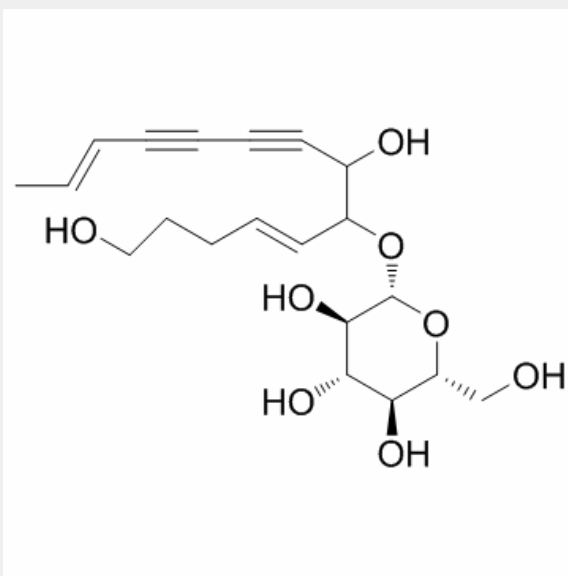
396.43

## Product Description

Lobetyolin is derived from *Codonopsis pilosula* and has antioxidative effect.

**In Vitro:** Lobetyolin is derived from *Codonopsis pilosula* and has antioxidative effect. *MUC5AC* gene expression induced by phorbol 12-myristate 13-acetate (PMA) from NCI-H292 cells is inhibited by pretreatment with Lobetyolin, lobetyol or methyl linoleate. Lobetyolin does not affect PMA-induced MUC5AC production from NCI-H292 cells. The amounts of mucin in the cells of Lobetyolin-treated cultures are  $100 \pm 25\%$ ,  $487 \pm 33\%$ ,  $524 \pm 38\%$ ,  $411 \pm 24\%$ , and  $402 \pm 45\%$  for control, 10 ng/mL of PMA alone, PMA plus

Lobetyolin 1  $\mu$ M, PMA plus Lobetyolin 10  $\mu$ M, and PMA plus Lobetyolin 100  $\mu$ M, respectively<sup>[1]</sup>.



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