

Cinobufagin

Catalog No: tcsc3697



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

470-37-1

Formula:

$C_{26}H_{34}O_6$

Pathway:

Autophagy

Target:

Autophagy

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 43 mg/mL (97.17 mM)

Alternative Names:

Cinobufagine

Observed Molecular Weight:

442.54

Product Description

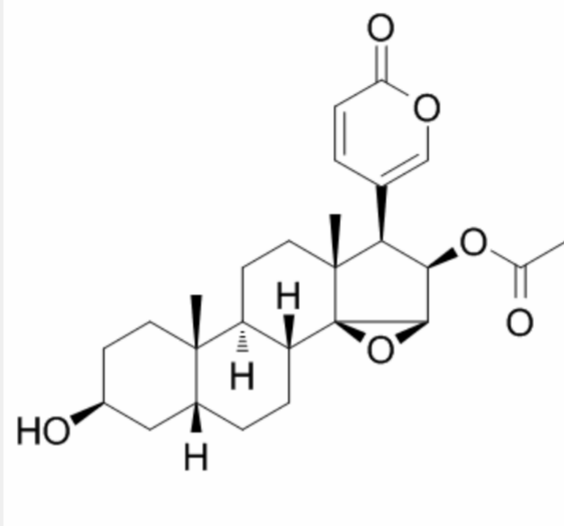
Cinobufagin, a kind of Chinese materia medica with antitumor effect, is widely used in clinical practice, especially in anti-liver cancer.

IC50 value:

Target:

In vitro: Cinobufagin inhibited proliferation of cancer cells at doses of 0.1, 1, or 10 μ M after 2–4 days of culture. Cytotoxicity of cinobufagin on the DU145 and LNCaP cells was dose-dependent. Cinobufagin increased $[Ca^{2+}]_i$ and apoptosis in cancer cells after a 24-hr culture as well as caspase 3 activities in DU145 and PC3 cells and caspase 9 activities in LNCaP cells [1]. Cinobufagin suppresses cell proliferation and causes apoptosis in prostate cancer cells via a sequence of apoptotic modulators, including Bax, cytochrome c and caspases [2].

In vivo:



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