

Datasheet for ABIN7233250

## Embelin



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### 1 Image

#### Overview

Quantity: 10 mg

Application: Inhibition (Inh)

#### Product Details

Purpose: XIAP inhibitor, Apoptosis inducer

Characteristics: Inhibits the lysine acetyl transferase PCAF in vitro and in vivo (in vitro IC<sub>50</sub>=7.2 μM). Inhibits H3K9 acetylation in mouse liver tissue while leaving levels of H3K14, H4K8, H4K12 unchanged. Also inhibits X-linked inhibitor of apoptosis (XIAP) (IC<sub>50</sub> = 4.1 μM, competing with Smac peptide). Binds to the BIR3 domain, preventing XIAP interaction with caspase-9 and Smac. Induces apoptosis and alters gene expression profiles in breast cancer cells. Possesses anti-inflammatory and analgesic activity in vivo. Cell-permeable.

Purity: >98 %

Chemical Name: 2,5-Dihydroxy-3-undecyl-2,5-cyclohexadiene-1,4-dione

Formula: C<sub>17</sub>H<sub>26</sub>O<sub>4</sub>

Permeability: Cell-permeable

Solubility: Soluble in DMSO (up to 30 mg/ml) or in Ethanol (up to 3 mg/ml with warming)

#### Target Details

Background: Epigenetics, Posttranslational modification, Acetyltransferase, Cell death, Inflammation, Cancer, Chromatin, Apoptosis inducer

Molecular Weight: 294.39

## Target Details

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CAS-No: 550-24-3

## Application Details

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Restrictions: For Research Use only

## Handling

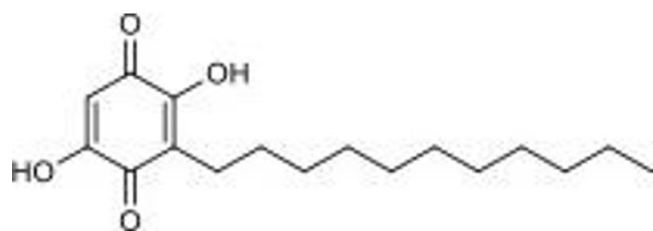
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Format: Powder

Storage: -20 °C

## Images

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### Molecule

Image 1. /