

## Corosolic acid

## Chemical Properties

CAS No. : 4547-24-4

Formula: C<sub>30</sub>H<sub>48</sub>O<sub>4</sub>

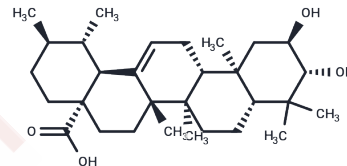
Molecular Weight: 472.7

Appearance: no data available

Storage:

keep away from direct sunlight, keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |   |
|---------------|---|
| Description   | Corosolic acid (Colosic acid) contains anti-angiogenic activity that can suppress FAK signaling induced by angiopoietin-1. Corosolic acid exerts anticancer activities against HCC, colon, and colorectal Y cells, by inducing apoptosis and promoting the N-terminal phosphorylation and subsequent proteasomal degradation of $\beta$ -catenin. |
| Targets(IC50) | FAK, Autophagy  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 86 mg/mL (181.93 mM), Sonication is recommended.<br>Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble,<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1155 mL | 10.5775 mL | 21.1551 mL |
| 5 mM  | 0.4231 mL | 2.1155 mL  | 4.231 mL   |
| 10 mM | 0.2116 mL | 1.0578 mL  | 2.1155 mL  |
| 50 mM | 0.0423 mL | 0.2116 mL  | 0.4231 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

### Reference

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