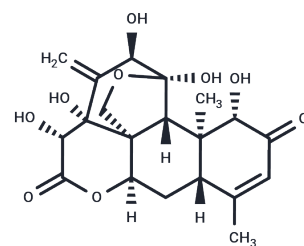


## EURYCOMANONE

### Chemical Properties

CAS No. : 84633-29-4  
Formula: C<sub>20</sub>H<sub>24</sub>O<sub>9</sub>  
Molecular Weight: 408.4  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|               |                                                                                                                                                                                                                                                                                                                    |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Eurycomanone (Pasakbumin A) is cytotoxic on HepG2 cells by inducing apoptosis through the up-regulation of p53 and Bax, and down-regulation of Bcl-2. Eurycomanone has anti-cancer activity, inhibits A549 lung cancer cell proliferation in a dose-dependent manner at concentrations ranging from 5 to 20 µg/ml. |
| Targets(IC50) | Others                                                                                                                                                                                                                                                                                                             |

### Solubility Information

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 50 mg/mL (122.43 mM),<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|---------------------------------------------------------------------------------------------------|

#### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.4486 mL | 12.2429 mL | 24.4858 mL |
| 5 mM  | 0.4897 mL | 2.4486 mL  | 4.8972 mL  |
| 10 mM | 0.2449 mL | 1.2243 mL  | 2.4486 mL  |
| 50 mM | 0.049 mL  | 0.2449 mL  | 0.4897 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

Hajjouli S, et al. Eurycomanone and eurycomanol from *Eurycoma longifolia* Jack as regulators of signaling pathways involved in proliferation, cell death and inflammation. *Molecules*. 2014 Sep 16;19(9):14649-66.

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