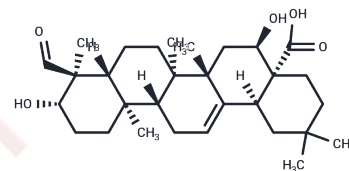


## Quillaic Acid

## Chemical Properties

CAS No. : 631-01-6  
 Formula: C<sub>30</sub>H<sub>46</sub>O<sub>5</sub>  
 Molecular Weight: 486.68  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| Description   | Quillaic Acid is the major aglycone of the saponins in the Chilean indigenous tree Quillaja saponaria Mol. |
| Targets(IC50) | Others                                                                                                     |

## Solubility Information

|            |                                                                                                                              |
|------------|------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 88 mg/mL (180.82 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble) |
|------------|------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0547 mL | 10.2737 mL | 20.5474 mL |
| 5 mM  | 0.4109 mL | 2.0547 mL  | 4.1095 mL  |
| 10 mM | 0.2055 mL | 1.0274 mL  | 2.0547 mL  |
| 50 mM | 0.0411 mL | 0.2055 mL  | 0.4109 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

Arrau S, et al. J Ethnopharmacol. 2011 Jan 7;133(1):164-7.;  
 Rodríguez-Díaz M, et al. J Pharm Pharmacol. 2011 May;63(5):718-24.

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