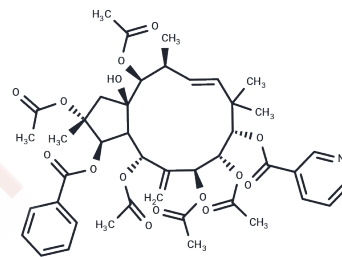


## Pepluanin A

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 670257-89-3   |
| Formula:          | C43H51NO15  |
| Molecular Weight: | 821.86  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |   |
|---------------|---|
| Description   | Pepluanin A, shows a very high activity for a jatrophone diterpene, outperforming cyclosporin A by a factor of at least 2 in the inhibition of Pgp-mediated daunomycin transport. |
| Targets(IC50) | P-gp  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.2168 mL | 6.0838 mL | 12.1675 mL |
| 5 mM  | 0.2434 mL | 1.2168 mL | 2.4335 mL  |
| 10 mM | 0.1217 mL | 0.6084 mL | 1.2168 mL  |
| 50 mM | 0.0243 mL | 0.1217 mL | 0.2434 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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