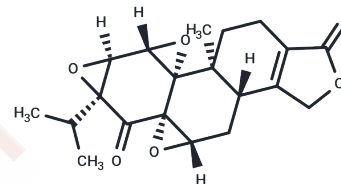


## Triptonide

### Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 38647-11-9   |
| Formula:          | C <sub>20</sub> H <sub>22</sub> O <sub>6</sub>   |
| Molecular Weight: | 358.39   |
| Storage:          | Keep away from direct sunlight<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



### Biological Description

|               |   |
|---------------|---|
| Description   | 1. Triptonide (PG 492) is effective in the treatment of autoimmune diseases and has potent antileukemic and antitumor activities. 2. Triptonide possesses anti-inflammatory activity, upregulate the expression of IL-37, and this expression was suppressed by ERK1/2 and p38 MAPK inhibitors. |
| Targets(IC50) | Apoptosis, Autophagy, Wnt/beta-catenin  |

### Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 50 mg/mL (139.51 mM), Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+90% (20% SBE- $\beta$ -CD in Saline): $< 5$ mg/mL (13.95 mM), Lower concentrations may be soluble, but exact solubility limit is unknown.<br>10% DMSO+90% Saline: $< 5$ mg/mL (13.95 mM), Lower concentrations may be soluble, but exact solubility limit is unknown.<br>10% DMSO+90% Corn oil: 5 mg/mL (13.95 mM), Solution.<br>10% DMSO+40% PEG300+5% Tween 80+45% Saline: $< 5$ mg/mL (13.95 mM), Lower concentrations may be soluble, but exact solubility limit is unknown.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

### Preparing Stock Solutions

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|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.7903 mL | 13.9513 mL | 27.9026 mL |
| 5 mM  | 0.5581 mL | 2.7903 mL  | 5.5805 mL  |
| 10 mM | 0.279 mL  | 1.3951 mL  | 2.7903 mL  |
| 50 mM | 0.0558 mL | 0.279 mL   | 0.5581 mL  |

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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.

### Reference

Pei R J , Qi L H , Liu X J . Effects of triptonide on mouse immune functions.[J]. Zhongguo Yao LI Xue Bao, 1993, 14(3): 238-242.

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