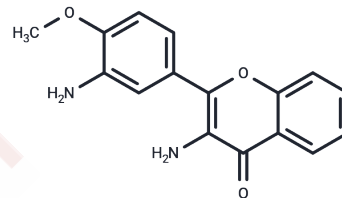


DD1

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 187585-11-1   |
| Formula:          | C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>   |
| Molecular Weight: | 282.29  |
| 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   | DD1 (HUN85111) is a proteasome inhibitor that induces human myeloid tumor-selective apoptosis. |
| Targets(IC50) | Apoptosis, Proteasome, S6 Kinase   |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 250 mg/mL (885.61 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+90% Saline: < 10 mg/mL (35.42 mM), Lower concentrations may be soluble, but exact solubility limit is unknown.<br>10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (35.42 mM), Solution.<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

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.5425 mL | 17.7123 mL | 35.4246 mL |
| 5 mM  | 0.7085 mL | 3.5425 mL  | 7.0849 mL  |
| 10 mM | 0.3542 mL | 1.7712 mL  | 3.5425 mL  |
| 50 mM | 0.0708 mL | 0.3542 mL  | 0.7085 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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