

## Puliginurad

## Chemical Properties

CAS No. : 2013582-27-7

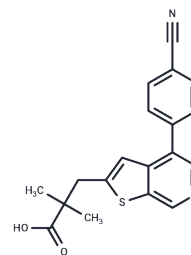
Formula: C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight: 336.41

Storage: Keep away from direct sunlight, Keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | Puliginurad (YL-90148) is a potent and selective inhibitor of the urate transporter protein (URAT), effectively inhibiting uric acid reabsorption. It can be utilized for the prevention and treatment of hyperuricemia and gout. |
| Targets(IC <sub>50</sub> ) | OAT   |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 100 mg/mL (297.26 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)  |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (9.81 mM), Sonication is recommended.<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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|       | <b>1mg</b> | <b>5mg</b> | <b>10mg</b> |
|-------|------------|------------|-------------|
| 1 mM  | 2.9726 mL  | 14.8628 mL | 29.7256 mL  |
| 5 mM  | 0.5945 mL  | 2.9726 mL  | 5.9451 mL   |
| 10 mM | 0.2973 mL  | 1.4863 mL  | 2.9726 mL   |
| 50 mM | 0.0595 mL  | 0.2973 mL  | 0.5945 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

WHO Drug Information. International Nonproprietary Names for Pharmaceutical

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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