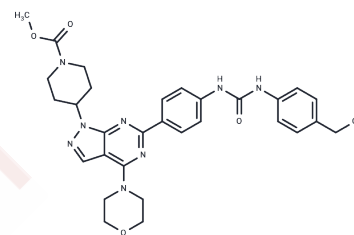


## mTOR inhibitor WYE-28

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 1062172-60-4  |
| Formula:          | C <sub>30</sub> H <sub>34</sub> N <sub>8</sub> O <sub>5</sub>   |
| Molecular Weight: | 586.65  |
| 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                | mTOR inhibitor WYE-28 (compound 28) is an mTOR inhibitor (IC <sub>50</sub> = 0.08 nM) and PI3K $\alpha$ inhibitor (IC <sub>50</sub> = 6 nM) with a half-life of 13 minutes in nude mouse microsomes. |
| Targets(IC <sub>50</sub> ) | mTOR,PI3K  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 45.00 mg/mL (76.71 mM),Sonication and heating are recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.7046 mL | 8.523 mL  | 17.0459 mL |
| 5 mM  | 0.3409 mL | 1.7046 mL | 3.4092 mL  |
| 10 mM | 0.1705 mL | 0.8523 mL | 1.7046 mL  |
| 50 mM | 0.0341 mL | 0.1705 mL | 0.3409 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.

## Reference

Zask A, et al. ATP-competitive inhibitors of the mammalian target of rapamycin: design and synthesis of highly potent and selective pyrazolopyrimidines. J Med Chem. 2009;52(16):5013-5016.

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

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481