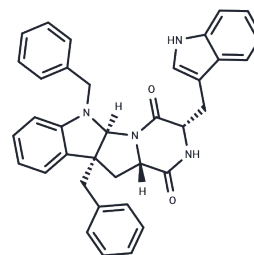


C3N-Dbn-Trp2

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 2631659-57-7 |
| Formula: | C ₃₆ H ₃₂ N ₄ O ₂ |
| Molecular Weight: | 552.66 |
| Storage: | 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 | C3N-Dbn-Trp2 is an inhibitor of the ATP-binding cassette transporter ABCB1. It inhibits the efflux of Rhodamine 123 mediated by ABCB1 in HEK293T and HCT-15 cells, with IC50 values of 5.9 μ M and 2.2 μ M, respectively. Additionally, C3N-Dbn-Trp2 inhibits the efflux of Doxorubicin, thereby enhancing the cytotoxicity of Doxorubicin in cells expressing ABCB1. |
| Targets(IC50) | P-gp |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8094 mL | 9.0472 mL | 18.0943 mL |
| 5 mM | 0.3619 mL | 1.8094 mL | 3.6189 mL |
| 10 mM | 0.1809 mL | 0.9047 mL | 1.8094 mL |
| 50 mM | 0.0362 mL | 0.1809 mL | 0.3619 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

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

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