

AcrB-IN-3

## Chemical Properties

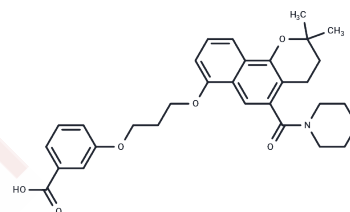
CAS No. : 2890177-94-1

Formula: C<sub>30</sub>H<sub>33</sub>N<sub>3</sub>O<sub>7</sub>

Molecular Weight: 519.59

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   | Efflux pump-IN-3, an AcrB efflux pump inhibitor, potentiates the effect of antibiotics by inhibiting the efflux of Nile Red (a known substrate of AcrB). It does not disrupt the bacterial outer membrane or exhibit toxicity in a nematode model [1]. |
| Targets(IC50) | Others,Antibacterial,Parasite  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9246 mL | 9.623 mL  | 19.2459 mL |
| 5 mM  | 0.3849 mL | 1.9246 mL | 3.8492 mL  |
| 10 mM | 0.1925 mL | 0.9623 mL | 1.9246 mL  |
| 50 mM | 0.0385 mL | 0.1925 mL | 0.3849 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

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