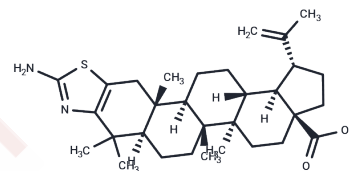


## Anticancer agent 64

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2387902-92-1  |
| Formula:          | C <sub>31</sub> H <sub>46</sub> N <sub>2</sub> O <sub>2</sub> S   |
| Molecular Weight: | 510.77  |
| 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                | Anticancer agent 64 (compound 5m) exhibits potent cytotoxicity against CCRF-CEM cells with an IC <sub>50</sub> value of 2.4 μM, induces apoptosis by activating caspase 3 and 7 and causing PARP cleavage, and significantly disrupts mitochondrial membrane potential, thereby contributing to its anticancer efficacy [1]. |
| Targets(IC <sub>50</sub> ) | Apoptosis,Bcl-2 Family,Others,Caspase,PARP   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9578 mL | 9.7891 mL | 19.5783 mL |
| 5 mM  | 0.3916 mL | 1.9578 mL | 3.9157 mL  |
| 10 mM | 0.1958 mL | 0.9789 mL | 1.9578 mL  |
| 50 mM | 0.0392 mL | 0.1958 mL | 0.3916 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