

## Nur77 modulator 4

## Chemical Properties

CAS No. :

Formula: C<sub>26</sub>H<sub>28</sub>ClN<sub>5</sub>O<sub>2</sub>

Molecular Weight: 477.99

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                | Nur77 modulator 4 (Compound 15h) is a Nur77 inducer with a KD of 0.477 $\mu$ M. It significantly promotes Nur77 expression and apoptosis, exhibiting excellent growth inhibitory effects on HepG2 and MCF-7 cells, with an IC <sub>50</sub> of less than 5 $\mu$ M. Nur77 modulator 4 activates Nur77-mediated ER stress through the PERK-ATF4 and IRE1 signaling pathways, leading to apoptosis. This compound is applicable in cancer research. |
| Targets(IC <sub>50</sub> ) | Apoptosis,IRE1,PERK,NR4A  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0921 mL | 10.4605 mL | 20.9209 mL |
| 5 mM  | 0.4184 mL | 2.0921 mL  | 4.1842 mL  |
| 10 mM | 0.2092 mL | 1.046 mL   | 2.0921 mL  |
| 50 mM | 0.0418 mL | 0.2092 mL  | 0.4184 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.

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