

Nur77 modulator 4

Chemical Properties

CAS No. :

Formula: C₂₆H₂₈ClN₅O₂

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 μM. It significantly promotes Nur77 expression and apoptosis, exhibiting excellent growth inhibitory effects on HepG2 and MCF-7 cells, with an IC ₅₀ of less than 5 μM. 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 ₅₀)	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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