

Antidiabetic agent 7

Chemical Properties

CAS No. :

Formula: C₂₇H₂₁Cl₂N₅O₃

Molecular Weight: 534.39

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	Antidiabetic agent 7 (Compound 5m) functions as a potent hyperglycemia inhibitor. It effectively stimulates GLUT4 translocation in skeletal muscle cells by activating the AMPK-dependent pathway. Additionally, this compound is capable of reducing blood glucose levels and exhibits favorable pharmacokinetic properties. Antidiabetic agent 7 is suitable for research related to antihyperglycemic treatments.
Targets(IC50)	AMPK,transporter

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8713 mL	9.3565 mL	18.7129 mL
5 mM	0.3743 mL	1.8713 mL	3.7426 mL
10 mM	0.1871 mL	0.9356 mL	1.8713 mL
50 mM	0.0374 mL	0.1871 mL	0.3743 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

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