

α -Glucosidase-IN-72

Chemical Properties

CAS No. :

Formula: C37H26Cl2N4O9

Molecular Weight: 741.53

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 | α -Glucosidase-IN-72 (compound 5i), a 2,4-dichloro-N-phenylacetamide derivative, functions as an α -glucosidase inhibitor with an inhibitory concentration (IC 50) of 6 μ M. Notably, it does not adhere to Lipinski's "rule of five" and is not a cancer inducer. |
| Targets(IC50) | Glucosidase, glycosidase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.3486 mL | 6.7428 mL | 13.4856 mL |
| 5 mM | 0.2697 mL | 1.3486 mL | 2.6971 mL |
| 10 mM | 0.1349 mL | 0.6743 mL | 1.3486 mL |
| 50 mM | 0.027 mL | 0.1349 mL | 0.2697 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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