

α -Glucosidase-IN-76

Chemical Properties

CAS No. :

Formula: C₂₁H₂₄N₄O₁₀

Molecular Weight: 492.44

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-76 (Compound 4r) is an inhibitor of α -glucosidase, with an IC ₅₀ of 5.44 μ M. It can clear ABTS+ free radicals, with a TEAC value of 0.49. Additionally, α -Glucosidase-IN-76 inhibits the proliferation of T24 bladder cancer cells, with an IC ₅₀ of 1.74 μ M.
Targets(IC ₅₀)	glycosidase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0307 mL	10.1535 mL	20.307 mL
5 mM	0.4061 mL	2.0307 mL	4.0614 mL
10 mM	0.2031 mL	1.0154 mL	2.0307 mL
50 mM	0.0406 mL	0.2031 mL	0.4061 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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