

Ellipyrone A

Chemical Properties

CAS No. :

Formula: C₂₅H₃₄O₈

Molecular Weight: 462.53

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	Ellipyrone A, a γ -pyrone-based macrocyclic polyketide, demonstrates inhibitory activity against dipeptidyl peptidase-4 (IC ₅₀ = 0.35 mM). Additionally, this compound exhibits anti-glycolytic effects on α -glucosidase (IC ₅₀ = 0.74 mM) and α -amylase (IC ₅₀ = 0.59 mM) [1].
Targets(IC ₅₀)	Others,Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.162 mL	10.8101 mL	21.6202 mL
5 mM	0.4324 mL	2.162 mL	4.324 mL
10 mM	0.2162 mL	1.081 mL	2.162 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 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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