

Itaconic acid prodrug-1

Chemical Properties

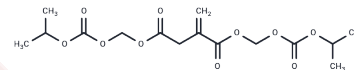
CAS No. : 2641132-66-1

Formula: C₁₅H₂₂O₁₀

Molecular Weight: 362.329

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	Itaconic acid prodrug-1 (Compound P2) is an orally active prodrug of Itaconic acid that efficiently delivers Itaconic acid to skin tissues upon oral administration. It exhibits immunomodulatory effects, significantly inhibiting Poly(I:C)/IFN γ -induced inflammatory cytokines in human epidermal keratinocytes. Itaconic acid prodrug-1 is useful for research into alopecia areata and other inflammatory skin conditions.
Targets(IC50)	Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7599 mL	13.7996 mL	27.5991 mL
5 mM	0.552 mL	2.7599 mL	5.5198 mL
10 mM	0.276 mL	1.380 mL	2.7599 mL
50 mM	0.0552 mL	0.276 mL	0.552 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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