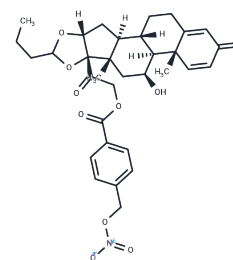


TPI-1020

Chemical Properties

CAS No. : 571186-52-2
 Formula: C₃₃H₃₉NO₁₀
 Molecular Weight: 609.66
 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	TPI-1020 is a novel anti-inflammatory corticosteroid and nitric oxide (NO) donor derived from budesonide. It exhibits a concentration-dependent bronchodilatory effect mediated by released NO through a cGMP-dependent pathway. Studies suggest that TPI-1020 combines corticosteroid activity with NO release, potentially benefiting the treatment of acute bronchoconstriction events in asthma and allowing for a reduced dose of inhaled beta(2)-adrenoceptor agonists.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6403 mL	8.2013 mL	16.4026 mL
5 mM	0.3281 mL	1.6403 mL	3.2805 mL
10 mM	0.164 mL	0.8201 mL	1.6403 mL
50 mM	0.0328 mL	0.164 mL	0.3281 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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