

COX-2-IN-33

Chemical Properties

CAS No. :

Formula: C₂₀H₁₃ClF₃N₅O₄

Molecular Weight: 479.8

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	COX-2-IN-33 (compound 5f) is a selective COX-2 inhibitor with an IC ₅₀ of 45.5 nM, demonstrating potential as an anti-inflammatory agent by effectively suppressing pro-inflammatory cytokine production in vivo while maintaining gastric safety [1].
Targets(IC ₅₀)	COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0842 mL	10.421 mL	20.842 mL
5 mM	0.4168 mL	2.0842 mL	4.1684 mL
10 mM	0.2084 mL	1.0421 mL	2.0842 mL
50 mM	0.0417 mL	0.2084 mL	0.4168 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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