

MF-592

Chemical Properties

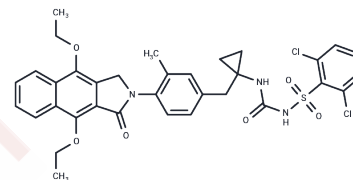
CAS No. : 1064195-48-7

Formula: C₃₄H₃₃Cl₂N₃O₆S

Molecular Weight: 682.61

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	MF-592 is a potent and selective antagonists of the EP4 receptor. MF-592 demonstrated good functional potency (hEP4 IC ₅₀ = 3 nM) and potent inhibition of PGE ₂ modulated TNF α release in LPS stimulated human whole blood (hWB) (IC ₅₀ = 78nM). In addition, it showed an excellent oral pharmacokinetic (PK) profile and in vivo efficacy in a rat chronic adjuvant-induced-arthritis model (ED ₅₀ = 0.1 mg/kg/day).. MF-592 has a desirable overall preclinical profile that suggests it is suitable for further development.
Targets(IC ₅₀)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.465 mL	7.3248 mL	14.6497 mL
5 mM	0.293 mL	1.465 mL	2.9299 mL
10 mM	0.1465 mL	0.7325 mL	1.465 mL
50 mM	0.0293 mL	0.1465 mL	0.293 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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