

Product Name : BAY85-8501

Synonyms : BAY 85-8501;BAY 858501

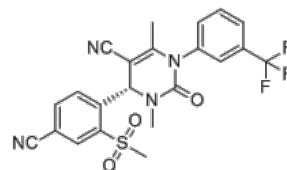
Cat No. : M10559

CAS Number : 1161921-82-9

Molecular Formula : C₂₂H₁₇F₃N₄O₃S

Formula Weight : 474.46

Chemical Name : (S)-4-(4-cyano-2-(methylsulfonyl)phenyl)-3,6-dimethyl-2-oxo-1-(3-(trifluoromethyl)phenyl)-1,2,3,4-tetrahydropyrimidine-5-carbonitrile



Description : BAY 85-8501 (BAY85-8501) is a potent, selective human neutrophil elastase (HNE) inhibitor with IC₅₀ of 65 pM; displays no significant inhibition toward 21 related serine proteases (>30 uM); demonstrates completely prevented the development of lung injury and subsequent inflammation in vivo.COPD Phase 2 Clinical

Pathway : Metabolic Enzyme/Protease

Target : Elastase

Receptor : Elastase

Solubility : —

SMILES : N#CC1=C(C)N(C2=CC=CC(C(F)(F)F)=C2)C(N(C)[C@@H]1C3=CC=C(C#N)C=C3S(=O)(C)=O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. von Nussbaum F, et al. ChemMedChem. 2015 Jul;10(7):1163-73. | 2. von Nussbaum F, et al. ChemMedChem. 2016 Jan 19;11(2):199-206.