

Product Data Sheet

Product Name: (R)-BAY-85-8501

Cat. No.: GC34987

Chemical Properties

Cas. No. 2446175-39-7

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

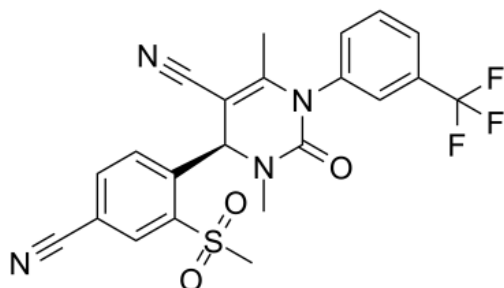
Formula $C_{22}H_{17}F_3N_4O_3S$ M.Wt 474.46

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

(R)-BAY-85-8501 is the less active Enantiomer of BAY-85-8501. BAY-85-8501 is a selective and potent inhibitor of Human Neutrophil Elastase (HNE), with an IC₅₀ of 65 pM[1].

[1]. Von Nussbaum F, et al. Freezing the Bioactive Conformation to Boost Potency: The Identification of BAY 85-8501, a Selective and Potent Inhibitor of Human Neutrophil Elastase for Pulmonary Diseases. ChemMedChem. 2015 Jul;10(7):1163-73.

Caution: Product has not been fully validated for medical applications. For research use only.

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