
Product Data Sheet

Product Name: BAY-678 racemate

Cat. No.: GC35476

Chemical Properties

Cas. No. 675103-35-2

SMILES N#CC1=NC=C(C(C(C(C)=O)=C(C)N2C3=CC=CC(C(F)(F)F)=C3)NC2=O)C=C1Formula C₂₀H₁₅F₃N₄O₂

M.Wt 400.35

Solubility DMSO: ≥ 150 mg/mL (374.67 mM); Water: < 0.1 mg/mL
(insoluble)

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**

BAY-678 racemate is a racemate of BAY-678. BAY-678 is an orally bioavailable, highly potent, selective and cell-permeable inhibitor of human neutrophil elastase (HNE), with an IC₅₀ of 20 nM. BAY-678 is also nominated as a chemical probe to the public via the Structural Genomics Consortium (SGC).

[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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA