

Product Data Sheet

Product Name: CAY10648

Cat. No.: GC43186

Chemical Properties

Cas. No. 916048-02-7

SMILES C1C=CC=C(N(C(C23CCNC3=O)=O)CC(OC(C)(C)C)=O)C2=C1

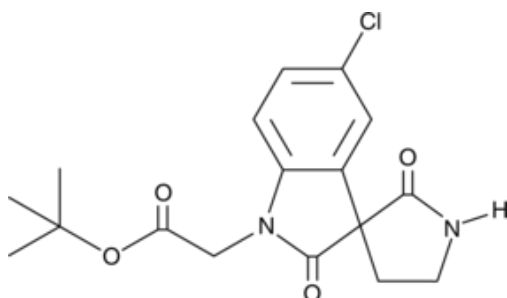
Formula C₁₇H₁₉ClN₂O₄ M.Wt 350.8

Solubility DMF: 5 mg/ml, DMSO: 10 mg/ml, DMSO:PBS(pH 7.2) (1:2): .25 mg/ml, Ethanol: 1 mg/ml
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

Prostaglandin D₂ (PGD₂) evokes its effects through two receptors, DP₁ and CRTH₂/DP₂. The activation of DP₂ leads to eosinophil chemotaxis, activation, and degranulation as well as recruitment of basophils and lymphocytes and, as a result, is important in allergic inflammatory disease. CAY10648 is an intermediate used in the synthesis of potent DP₂ receptor antagonists based on a novel spiro-indolinone compound.

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

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