

Product Data Sheet

Product Name: BMS 986122

Cat. No.: GC42955

Chemical Properties

Cas. No. 313669-88-4

SMILES COC1=CC=C(C2N(S(C3=CC=C(Cl)C=C3)(=O)=O)CCS2)C=C1Br

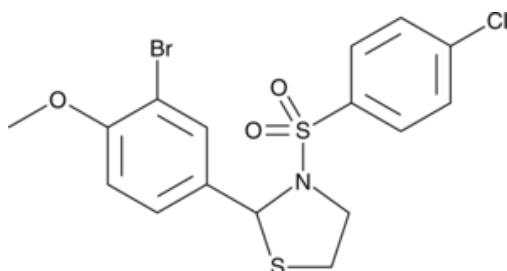
Formula C₁₆H₁₅BrClNO₃S₂ M.Wt 448.8

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, DMSO:PBS (pH 7.2) (1:1): 0.5 mg/ml, Ethanol: 2 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

BMS 986122 is a positive allosteric modulator of μ -opioid receptors that increases β -arrestin recruitment stimulated by endomorphin 1 in U2OS-OPRM1 human osteosarcoma cells expressing μ -opioid receptors ($EC_{50} = 3 \mu M$). It potentiates endomorphin 1-induced inhibition of forskolin-stimulated adenylyl cyclase activity in CHO cells expressing human recombinant μ -opioid receptors ($EC_{50} = 8.9 \mu M$). BMS 986122 also enhances [35S]GTP γ binding stimulated by the μ -opioid agonist DAMGO by 7- and 4.5-fold in C6 μ glioma cell membranes that express μ -opioid receptors and mouse brain membranes, respectively.

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

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