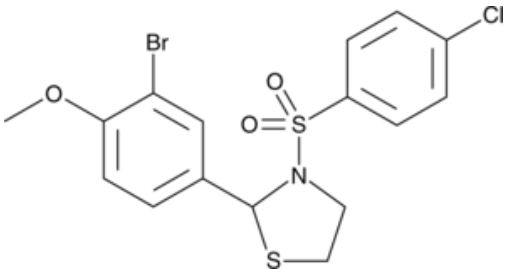
Product Data Sheet

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 (EC50 = 3 μM). It potentiates endomorphin 1-induced inhibition of forskolin-stimulated adenylyl cyclase activity in CHO cells expressing human recombinant μ-opioid receptors (EC50 = 8.9 μM). BMS 986122 also enhances [35S]GTPγ binding stimulated by the μ-opioid agonist DAMGO by 7- and 4.5-fold in C6μ 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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