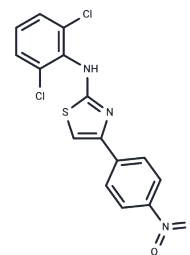


BMS-986121

Chemical Properties

CAS No. : 313671-26-0
Formula: C₁₅H₉Cl₂N₃O₂S
Molecular Weight: 366.22
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BMS-986121, a positive allosteric modulator (PAM) of the μ opioid receptor. This compound is based on a novel chemical scaffold, introducing a new chemotype for μ receptor PAMs.
In vitro	BMS-986121, at concentrations ranging from 1 μ M to 1 mM, significantly enhances the β -arrestin recruitment response initiated by a low level of endomorphin-I (PAM-detection mode). It also markedly boosts the suppression of forskolin-induced adenylyl cyclase activity by a near-EC ₁₀ concentration (30 pM) of endomorphin-I in CHO μ cells. Furthermore, at 100 μ M, BMS-986121 elevates the efficacy of endomorphin-I (fourfold), morphine (fivefold), and leu-enkephalin (sixfold) in reducing forskolin-stimulated cAMP accumulation in CHO- μ cells[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7306 mL	13.653 mL	27.306 mL
5 mM	0.5461 mL	2.7306 mL	5.4612 mL
10 mM	0.2731 mL	1.3653 mL	2.7306 mL
50 mM	0.0546 mL	0.2731 mL	0.5461 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Burford NT, et al. Discovery of positive allosteric modulators and silent allosteric modulators of the μ -opioid receptor. Proc Natl Acad Sci U S A. 2013;110(26):10830-10835.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481