
Product Data Sheet

Product Name: PSNCBAM-1

Cat. No.: GC50143

Chemical Properties

Cas. No. 877202-74-9

SMILES C1C=CC=C(NC(NC2=CC(C3=CC=CC(N4CCCC4)=N3)=CC=C2)=O)C=C1Formula C₂₂H₂₁ClN₄O M.Wt 392.88

Solubility DMSO : 125 mg/mL (318.16 mM; Need ultrasonic) 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**

CB1 receptor negative allosteric modulator (IC₅₀ values are 45 and 209 nM for the inhibition of CP 55,940 and WIN 55,212-2 respectively). Has no effect at the CB2 receptor. Decreases food intake and body weight in rats.

Horswill et al (2007) PSNCBAM-1, a novel allosteric antagonist at cannabinoid CB1 receptors with hypophagic effects in rats. Br.J.Pharmacol. 152 805 PMID:17592509
|German et al (2014) Diarylureas as allosteric modulators of the cannabinoid CB1 receptor: structure-activity relationship studies on 1-(4-chlorophenyl)-3-{3-[6-(pyrrolidin-1-yl)pyridin-2-yl]phenyl}urea (PSNCBAM-1). J.Med.Chem. 57 7758 PMID:25162172

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

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