

LY2119620

Catalog No: tcsc0009457



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

886047-22-9

Formula:

$C_{19}H_{24}ClN_5O_3S$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

mAChR;mAChR

Purity / Grade:

>98%

Solubility:

DMSO : 150 mg/mL (342.51 mM; Need ultrasonic and warming)

Observed Molecular Weight:

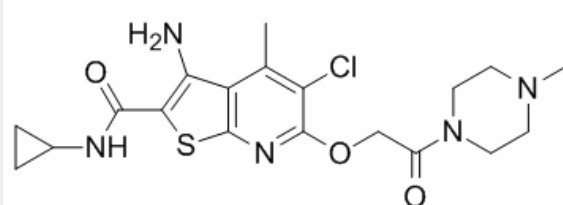
437.94

Product Description

LY2119620 is a high-affinity muscarinic **M₂/M₄ receptor** agonist.

IC₅₀ & Target: M₂/M₄ receptor^[1]

In Vitro: LY2119620 shows a modest allosteric agonism of 23.2±2.18% and 16.8±5.01% at the M₂ and M₄ receptors, respectively. Minimal allosteric agonism (1, M₃, and M₅ receptors. The variable K_B of LY2119620 for the allosteric binding site on the unoccupied receptor is found to be consistently about 1.9 to 3.4 μM. Results show a B_{max} increase at the M₂ receptor from 793±1.95 fmol/mg to 2850±162 fmol/mg upon addition of 10 μM LY2119620, and about a 5-fold increase in B_{max} at the M₄ receptor, 284±18.3 fmol/mg to 1340±42.2 fmol/mg^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!