

Product Data Sheet

Product Name: CCMI
Cat. No.: GC12119

Chemical Properties

Cas. No. 917837-54-8

Chemical Name (Z)-N-(4-chlorophenyl)-3-((4-chlorophenyl)amino)-2-(3-methylisoxazol-5-yl)acrylamide

SMILES C1C=CC=C(C=C1)NC(/C(C2=CC(C)=NO2)=C\NC(C=C3)=CC=C3Cl)=O

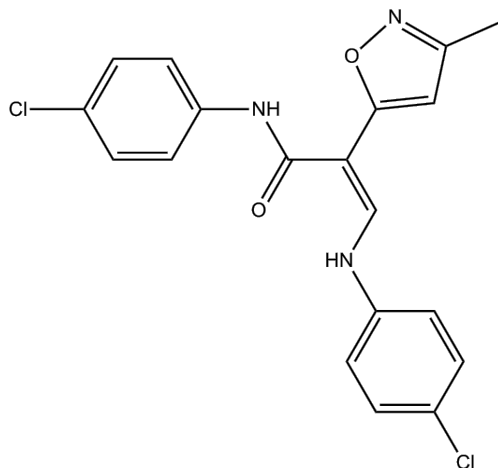
Formula $C_{19}H_{15}Cl_2N_3O_2$ M.Wt 388.25

Solubility <38.83mg/ml in DMSO 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

CCMI is a potent and selective $\alpha 7$ nAChR-positive allosteric modulator, does not bind to or activate $\alpha 7$ nAChRs via the orthosteric site, and causes significant positive modulation of agonist-induced currents at $\alpha 7$ nAChRs. CCMI has potential in CNS diseases with cognitive dysfunction[1].

CCMI (Compound 6) is a potent and selective $\alpha 7$ nAChR-positive allosteric modulator, does not bind

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

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References:

[1]. Ng HJ, et al. Nootropic alpha7 nicotinic receptor allosteric modulator derived from GABAA receptor modulators. Proc Natl Acad Sci U S A. 2007 May 8;104(19):8059-64. Epub 2007 Apr 30.

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