

Product Data Sheet

Product Name: DFMTI (MK5435)

Cat. No.: GC33154

Chemical Properties

Cas. No. 864864-86-8

SMILES O=C(N(C(C)C)C1)C2=C1C=C(C3=C(C)N(C4=CC=C(F)C=C4F)N=N3)C=C2

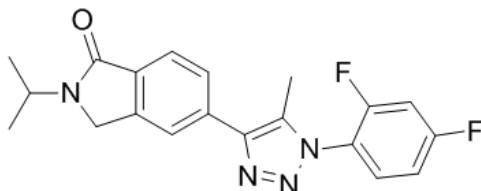
Formula C20H18F2N4O M.Wt 368.38

Solubility Soluble 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

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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DFMTI can completely block the rmGlu1 L757V glutamate response. In vitro: DFMTI can completely block the rmGlu1 L757V glutamate response, although significantly higher concentrations were required to induce blockade. In vivo: DFMTI is efficacious in disrupting prepulse inhibition when dosed orally in rats. DFMTI exhibits a moderate decrease in human potency of approximately 3-fold when compared to rat, exemplified by DFMTI.

[1]. Cho HP et al. A novel class of succinimide-derived negative allosteric modulators of metabotropic glutamate receptor subtype 1 provides insight into a disconnect in activity between the rat and human receptors. ACS Chem Neurosci. 2014 Jul 16;5(7):597-610.

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