

Product Data Sheet

Product Name: Sodium Channel inhibitor 1

Cat. No.: GC37659

Chemical Properties

Cas. No. 1198117-23-5

SMILES O=C(C1N(CCC2=NC=CC=C2)C(C3=C1C(F)=CC=C3)=O)NCC4=CC=C(OC(F)(F)F)C=C4

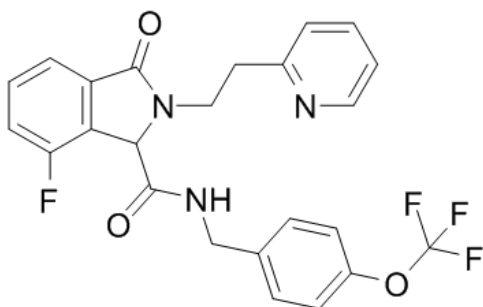
Formula $C_{24}H_{19}F_4N_3O_3$ M.Wt 473.42

Solubility DMSO : 100 mg/mL (211.23 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

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

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Sodium Channel inhibitor1, one of 3-Oxoisoindoline-1-carboxamides, is a novel and selective voltage-gated sodium channel for pain treatment. IC50 Value: 0.16 μ M (Na v1.7, V hold-90mV); 0.41 μ M (Na v1.7, V hold-90mV) [1]Target: Na v1.7Sodium Channel inhibitor1 demonstrated concentration-dependent efficacy in preclinical behavioral pain models.

[1]. Macsari I, et al. 3-Oxoisoindoline-1-carboxamides: potent, state-dependent blockers of voltage-gated sodium channel Na(V)1.7with efficacy in rat pain models. J Med Chem. 2012 Aug 9;55(15):6866-80.

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