

Product Name : BMT-145027

Synonyms : —

Cat No. : M26073

CAS Number : 2018282-44-3

Molecular Formula : C₂₃H₁₄ClF₃N₄

Formula Weight : 438.8

Chemical Name : —

Description : BMT-145027 is a positive allosteric modulator of mGluR5 without inherent agonist activity (EC₅₀ = 47 nM). (In Vitro): BMT-145027 lacks inherent mGluR5 agonist activity when tested at concentrations up to 16 μM. BMT-145027 exhibits high MsLM stability (85% remaining) and a modest decrease in planarity (F_{sp3} = 0.17). (In Vivo): BMT-145027 (30 mg/kg) leads to a significant increase in time spent with the novel object, with an apparent trend in novel object preference at 10 mg/kg. Satellite animals (BMT-145027: 30 mg/kg) indicates a total plasma concentration of 2800 nM.

Pathway : Neuroscience

Target : GluR

Receptor : —

Solubility : —

SMILES : FC(F)(F)c1cc(ccc1Cl)-c1n[nH]c2nc(-c3ccccc3)c(C#N)c(C3CC3)c12

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wu LH, et al. Metagenomics reveals flavour metabolic network of cereal vinegar microbiota. Food Microbiol. 2017 Apr;62:23-31.