

Product Name : CPP-115

Synonyms : CPP115

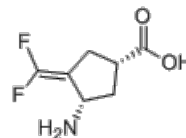
Cat No. : M15436

CAS Number : 640897-20-7

Molecular Formula : C₇H₉F₂NO₂

Formula Weight : 177.15

Chemical Name : (1S,3S)-3-amino-4-(difluoromethylidene)cyclopentane-1-carboxylic acid



Description : CPP-115 is an orally available, small molecule, next-generation GABA aminotransferase (GABA-AT) inhibitor with K_i of 31 uM, without other GABAergic or off-target activities; displays superior enzyme inactivation properties compared to vigabatrin, decreases spasms in the multiple-hit rat model of infantile spasms, demonstrates high therapeutic potential for the treatment of cocaine addiction and for a variety of epilepsies. Epilepsy Phase 2 Clinical

Pathway : Membrane Transporter/Ion Channel

Target : GAT

Receptor : GAT

Solubility : —

SMILES : O=C([C@@H]1C[C@H](N)C(C1)=C(F)F)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pan Y, et al. J Med Chem. 2012 Jan 12;55(1):357-66.
2. Briggs SW, et al. Epilepsia. 2014 Jan;55(1):94-102.
3. Lee H, et al. J Am Chem Soc. 2015 Feb 25;137(7):2628-40.
4. Prescott AP, et al. Neuropsychopharmacology. 2018 Feb;43(3):646-654.