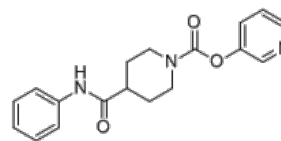


Product Name : ASP 8477
Synonyms : ASP8477;ASP-8477
Cat No. : M16516
CAS Number : 906737-25-5
Molecular Formula : C₁₈H₁₉N₃O₃
Formula Weight : 325.37
Chemical Name : 3-pyridyl 4-(phenylcarbamoyl)piperidine-1-carboxylate



Description : A novel potent, highly selective fatty acid amide hydrolase (FAAH) inhibitor with IC₅₀ of 0.99, 1.65 and 57.3 nM for human FAAH-1, FAAH-1 (P129T) and FAAH-2, respectively; displays no appreciable binding affinity to or inhibition against a panel of 65 receptors, ion channels and transporters, including CB1, CB2 receptors and MAGL; elevates AEA concentrations in both plasma and brain in adolescent rats, significantly improves mechanical allodynia and thermal hyperalgesia in capsaicin-induced secondary hyperalgesia model (0.3mg/kg, p.o).Pain Phase 2 Discontinued

Pathway : Metabolic Enzyme/Protease

Target : FAAH

Receptor : FAAH

Solubility : —

SMILES : —

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Watabiki T, et al. Eur J Pharmacol. 2017 Nov 15;815:42-48. 2. Bradford D, et al. Pain Med. 2017 Dec 1;18(12):2388-2400.