

Product Name : GNE-7915 tosylate

Synonyms : GNE7915 tosylate; GNE 7915 tosylate

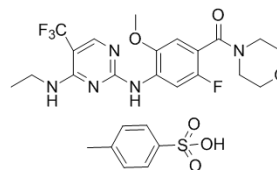
Cat No. : M13219

CAS Number : 2070015-00-6

Molecular Formula : C₂₆H₂₉F₄N₅O₆S

Formula Weight : 615.60

Chemical Name : Methanone, [4-[[4-(ethylamino)-5-(trifluoromethyl)-2-pyrimidinyl]amino]-2-fluoro-5-methoxyphenyl]-4-morpholinyl-, 4-methylbenzenesulfonate (1:1)



Description : GNE-7915 tosylate (GNE7915 tosylate) is a highly potent, selective, and brain-penetrable LRRK2 inhibitor with IC₅₀ of 1.9 nM; shows 1/187 kinases with 50% inhibition at 0.1 uM; possesses an ideal balance of LRRK2 cellular potency, broad kinase selectivity, metabolic stability, and brain penetration across multiple species. Parkinson's Disease Preclinical

Pathway : Autophagy

Target : LRRK2

Receptor : LRRK2

Solubility : 10 mM in DMSO

SMILES : CCNC1=NC(=NC=C1C(F)(F)F)NC2=C(C=C(C(=C2)F)C(=O)N3CCOCC3)OC.CC1=CC=C(C=C1)S(=O)(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Estrada AA, et al. J Med Chem. 2012 Nov 26;55(22):9416-33. | 2. Fuji RN, et al. Sci Transl Med. 2015 Feb 4;7(273):273ra15. | 3. Kavanagh ME, et al. Bioorg Med Chem Lett. 2013 Jul 1;23(13):3690-6.