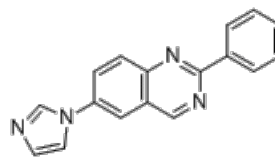


Product Name : CR4056
Synonyms : CR 4056;CR-4056
Cat No. : M10038
CAS Number : 1004997-71-0
Molecular Formula : C₁₇H₁₂N₄
Formula Weight : 272.31
Chemical Name : 6-(1H-imidazol-1-yl)-2-phenylquinazoline



Description : CR4056 (CR 4056, CR-4056) is a novel, orally active imidazoline-2 receptor (I2R) ligand with binding IC₅₀ of 596 nM, also selectively inhibits the enzymatic activity of MAO-A with IC₅₀ of 202.7 nM; increases norepinephrine (NE) tissue levels both in the rat cerebral cortex and lumbar spinal cord, shows ED₅₀ of 5.8 mg/kg in CFA rat model of inflammatory pain; shows high effectivity against bortezomib-induced painful neuropathy in rats. Pain Phase 2 Clinical

Pathway : GPCR/G Protein

Target : Imidazoline Receptor

Receptor : Imidazoline Receptor

Solubility : —

SMILES : C1(C2=CC=CC=C2)=NC=C3C=C(N4C=CN=C4)C=CC3=N1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ferrari F, et al. J Pain Res. 2011;4:111-25. | 2. Thorn DA, et al. Br J Pharmacol. 2012 Jul;166(6):1936-45. | 3. Meregalli C, et al. J Pain Res. 2012;5:151-67. | 4. Lanza M, et al. Br J Pharmacol. 2014 Aug;171(15):3693-701.