

Product Name : BAY-1436032

Synonyms : BAY1436032;BAY 1436032

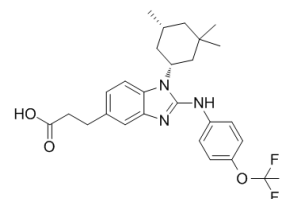
Cat No. : M12757

CAS Number : 1803274-65-8

Molecular Formula : C₂₆H₃₀F₃N₃O₃

Formula Weight : 489.54

Chemical Name : 3-(2-((4-(trifluoromethoxy)phenyl)amino)-1-((1R,5R)-3,3,5-trimethylcyclohexyl)-1H-benzo[d]imidazol-5-yl)propanoic acid



Description : BAY-1436032 (BAY1436032) is a potent, selective, orally available inhibitor of pan-mutant IDH1 with IC₅₀ of 15 nM for both IDH1 R132H and R132C, respectively; shows no effect on wild-type IDH1; strongly reduces 2-HG levels in cells carrying IDH1-R132H, -R132C, -R132G, -R132S and -R132L mutations; significantly prolongs survival of mice intracerebrally transplanted with human astrocytoma carrying the IDH1R132H mutation. Blood Cancer Phase 1 Clinical

Pathway : Metabolic Enzyme/Protease

Target : IDH

Receptor : IDH

Solubility : DMSO : 125 mg/mL 255.35 mM; H₂O : < 0.1 mg/mL

SMILES : O=C(O)CCC1=CC=C2N([C@H]3CC(C)(C)C[C@@H](C)C3)C(NC4=CC=C(OC(F)(F)F)C=C4)=NC2=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pusch S, et al. Acta Neuropathol. 2017 Apr;133(4):629-644. | 2. Chaturvedi A, et al. Leukemia. 2017 Oct;31(10):2020-2028. | 3. Gokul S, et al. CNS Neurol Disord Drug Targets. 2017;16(6):636-637.