

Product Name : Belizatinib

Synonyms : TSR-011;TSR011

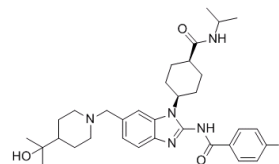
Cat No. : M11469

CAS Number : 1357920-84-3

Molecular Formula : C33H44FN5O3

Formula Weight : 577.75

Chemical Name : 4-fluoro-N-(6-((4-(2-hydroxypropan-2-yl)piperidin-1-yl)methyl)-1-((1s,4s)-4-(isopropylcarbamoyl)cyclohexyl)-1H-benzo[d]imidazol-2-yl)benzamide



Description : A potent, dual ALK and TrkA, TrkB and TrkC inhibitor, exhibits high affinity for wild-type recombinant ALK kinase activity with IC50 of 0.7 nM; exerts sustained potent inhibition of ALK-dependent tumour growth in mouse models. Blood Cancer Phase 2 Clinical

Pathway : Tyrosine Kinase

Target : Trk Receptor

Receptor : ALK

Solubility : DMSO: ≥300 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

SMILES : O=C(NC1=NC2=CC=C(C(N3CCC(C(C)(O)C)CC3)C=C2N1[C@@H]4CC[C@@H](C(NC(C)C)=O)CC4)C5=CC=C(F)C=C5

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Sullivan I, et al. Ther Adv Med Oncol. 2016 Jan;8(1):32-47. | 2. Iams WT, et al. Cancer J. 2015 Sep-Oct;21(5):378-82. | 3. Khotskaya YB, et al. Pharmacol Ther. 2017 May;173:58-66.