

Product Name : Ack1 inhibitor 37

Synonyms : —

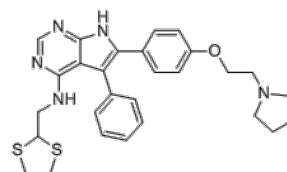
Cat No. : M10126

CAS Number : 1026493-77-5

Molecular Formula : C₂₈H₃₁N₅O₂S

Formula Weight : 517.71

Chemical Name : N-((1,3-dithiolan-2-yl)methyl)-5-phenyl-6-(4-(2-(pyrrolidin-1-yl)ethoxy)phenyl)-7H-pyrrolo[2,3-d]pyrimidin-4-amine



Description : Ack1 inhibitor 37 is a potent and selective Ack1 (TNK2) inhibitor with K_i of 0.3 nM, displays high selectivity over related kinases LCK, JAK3, KDR and TIE2 (K_i= 138, 6.5, 380 and 200 nM); demonstrates cell IC₅₀ of 10 nM in cellular autophosphorylation assays, displays excellent ACK1 cellular inhibition, good kinase selectivity, and a suitable in vitro metabolic profile.

Pathway : Tyrosine Kinase

Target : Ack1 (TNK2)

Receptor : Ack1 (TNK2)

Solubility : —

SMILES : C1CCN(C1)CCOC2=CC=C(C=C2)C3=C(C4=C(N3)N=CN=C4NCC5SCCS5)C6=CC=CC=C6

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jiao X, et al. Bioorg Med Chem Lett. 2012 Oct 1;22(19):6212-7. 2. Mahajan K, et al. Cancer Lett. 2013 Sep 28;338(2):185-92.