

Product Name : Ibrutinib-biotin

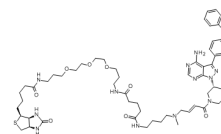
Synonyms : —

Cat No. : M12294

CAS Number : 1599432-18-4

Molecular Formula : C₅₆H₈₀N₁₂O₉S

Formula Weight : 1097.37



Chemical Name : Pentanediamide, N1-[[4-[[[(3R)-3-[[4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3,4-d]pyrimidin-1-yl]-1-piperidinyl]-4-oxo-2-buten-1-yl]methylamino]butyl]-N5-[19-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-15-oxo-4,7,10-trioxa-14-azonanadec-1-

Description : A chemical probe that consists of Ibrutinib linked to biotin via a long chain linker, has IC₅₀ of 0.755-1.02 nM for Btk kinase; extracted from patent WO2014059368A1 Compound 1-5.

Pathway : Tyrosine Kinase

Target : BTK

Receptor : BTK

Solubility : 10 mM in DMSO

SMILES : CN(CCCCNC(=O)CCCC(=O)NCCCCCCCCCCCCNC(=O)CCCCC1C2C(CS1)NC(=O)N2)CC(=O)N3CCCC(C3)N4C5=NC=NC(=C5C(=N4)C6=CC=C(C(=C6)OC7=CC=CC=C7)N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Betty Y. CHANG, et al. Companion diagnostics for tec family kinase inhibitor therapy. WO 2014059368 A1.