

Product Name : KUNB 31

Synonyms : KUNB31

Cat No. : M13541

CAS Number : 2220263-80-7

Molecular Formula : C₁₉H₁₈N₂O₃

Formula Weight : 322.36

Chemical Name : (4-hydroxy-7-isopropylbenzo[d]isoxazol-5-yl)(isoindolin-2-yl)methanone

Description

KUNB 31 is a potent, isoform-selective Hsp90β inhibitor with K_d of 0.18 μM, displays 50-fold selectivity over Hsp90α and Grp94; exhibits anti-proliferative activity against NCI H23, UC3, and HT-29 cancer cell lines with IC₅₀ of 6.74 μM, 3.01 μM, and 3.72 μM, respectively; specifically induces the degradation of Hsp90β-dependent client proteins (EGFR, HER2, CDK4, CDK6, CXCR4 etc.) in cells.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : HSP

Solubility : —

SMILES : O=C(C1=CC(C(C)C)=C(ON=C2)C2=C1O)N3CC4=C(C=CC=C4)C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Khandelwal A, et al. Nat Commun. 2018 Jan 30;9(1):425.

