

Product Name : Rpn11 inhibitor 35

Synonyms : —

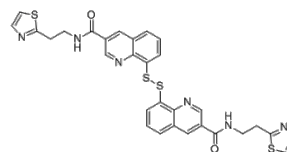
Cat No. : M13249

CAS Number : 2084868-04-0

Molecular Formula : C₃₀H₂₄N₆O₂S₄

Formula Weight : 628.80

Chemical Name : 8,8'-disulfanediyIbis(N-(2-(thiazol-2-yl)ethyl)quinoline-3-carboxamide)



Description : Rpn11 inhibitor 35 is a potent, small molecule inhibitor of the proteasome subunit Rpn11 with IC₅₀ of 400 nM, 100-fold selectivity over Csn5 and 10-fold selectivity over AMSH; inhibits 293T and A549 cells proliferation with IC₅₀ of 2.1 and 3.8 uM, respectively.

Pathway : Proteasome/Ubiquitin

Target : Proteasome

Receptor : Proteasome

Solubility : DMSO : ≥ 55.67 mg/mL 88.53 mM

SMILES : C1=CC2=CC(=CN=C2C(=C1)SSC3=CC=CC4=CC(=CN=C43)C(=O)NCCC5=NC=CS5)C(=O)NCCC6=NC=CS6

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Perez C, et al. J Med Chem. 2017 Feb 23;60(4):1343-1361. 2. Li J, et al. Nat Chem Biol. 2017 May;13(5):486-493.