

Product Name : RIPK2 inhibitor OD36

Synonyms : OD36; OD-36; OD 36

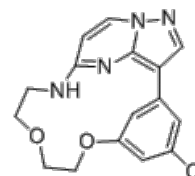
Cat No. : M12475

CAS Number : 1638644-62-8

Molecular Formula : C₁₆H₁₅ClN₄O₂

Formula Weight : 330.77

Chemical Name : (13Z,14E)-25-chloro-3,6-dioxo-9-aza-1(3,5)-pyrazolo[1,5-a]pyrimidina-2(1,3)-benzenacyclononaphane



Description : RIPK2 inhibitor OD36 is a potent, specific, ATP-competitive inhibitor of RIPK2 with IC₅₀ of 5.3 nM, inhibits Tyr and Ser/Thr-directed activities of RIPK2; inhibits both RIPK2 tyrosine autophosphorylation as well as downstream NF-κB and MAPK signaling induced by MDP, downregulates a panel of RIPK2 kinase-dependent genes; reduces cellular infiltration in an in vivo MDP-induced peritonitis model; also shows high affinity for cyclin G-associated kinase (GAK) with K_i of 3.8 nM.

Pathway : Apoptosis

Target : RIP kinase

Receptor : RIP kinase

Solubility : —

SMILES : ClC1=CC(C2=C3N=C(C=CN3N=C2)NCCOCCO4)=CC4=C1

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Tigno-Aranjuez JT, et al. J Biol Chem. 2014 Oct 24;289(43):29651-64. | 2. Asquith CRM, et al. J Med Chem. 2019 Feb 15. doi: 10.1021/acs.jmedchem.8b01213.