
Daporinad

产品编号: D51209

CAS: 658084-64-1

分子式: C₂₄H₂₉N₃O₂

纯度: ≥98%

InChi: InChI=1S/C₂₄H₂₉N₃O₂/c28-23(12-11-21-8-6-15-25-19-21)26-16-5-4-7-20-13-17-27(18-14-20)24(29)22-9-2-1-3-10-22/h1-3,6,8-12,15,19-20H,4-5,7,13-14,16-18H₂, (H,26,28)/b12-11+

InChi Key: KPBNHDGDUADAGP-VAWYXSNFSA-N

Smiles: O=C(/C=C/C1C=NC=CC=1)NCCCCC1CCN(CC1)C(=O)C1C=CC=CC=1

外观: 固体粉末

作用通路: Autophagy

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Daporinad, also known as APO-866 and FK866, is a small molecule with potential antineoplastic and antiangiogenic activities. NMPRTase inhibitor APO866 binds to and inhibits nicotinamide phosphoribosyltransferase (NMPRTase), inhibiting the biosynthesis of nicotinamide adenine dinucleotide (NAD⁺) from niacinamide (vitamin B3), which may deplete energy reserves in metabolically active tumor cells and induce tumor cell apoptosis. In addition, this agent may inhibit tumor cell production of vascular endothelial growth factor (VEGF), resulting in the inhibition of tumor angiogenesis.