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## DMH-1

产品编号: D51449

CAS: 1206711-16-1

分子式: C<sub>24</sub>H<sub>20</sub>N<sub>4</sub>O

纯度: ≥98%

InChi: InChi=1S/C<sub>24</sub>H<sub>20</sub>N<sub>4</sub>O/c1-16(2)29-19-9-7-17(8-10-19)18-13-26-24-22(14-27-28(24)15-18)20-11-12-25-23-6-4-3-5-21(20)23/h3-16H,1-2H3

InChi Key: JMIFGARJSWXZSH-UHFFFAOYSA-N

Smiles: CC(C)OC1C=CC(=CC=1)C1=CN2N=CC(=C2N=C1)C1=CC=NC2=CC=CC=C21

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: DMH-1 is a second-generation small molecule BMP inhibitor based on dorsomorphin. DMH-1 effectively inhibits the bone morphogenic protein (BMP) ALK2 receptor (IC<sub>50</sub> = 108 nM). Treatment with DMH1 reduced lung metastasis and the tumors were less proliferative and more apoptotic. In the surrounding tumor microenvironment, treatment with DMH1 altered fibroblasts, lymphatic vessels and macrophages to be less tumor promoting. These results indicate that inhibition of BMP signaling may successfully target both the tumor and the surrounding microenvironment to reduce tumor burden and metastasis.