
Purmorphamine

产品编号: D51019

CAS: 483367-10-8

分子式: C₃₁H₃₂N₆O₂

纯度: ≥98%

InChi: InChi=1S/C₃₁H₃₂N₆O₂/c1-2-9-25(10-3-1)37-21-32-28-29(33-23-13-15-24(16-14-23)36-17-19-38-20-18-36)34-31(35-30(28)37)39-27-12-6-8-22-7-4-5-11-26(22)27/h4-8,11-16,21,25H,1-3,9-10,17-20H₂, (H,33,34,35)

InChi Key: FVBHCRQFSFYWPY-UHFFFAOYSA-N

Smiles: C1COCCN1C1C=CC(=CC=1)NC1N=C(N=C2C=1N=CN2C1CCCCC1)OC1=CC=CC2=CC=CC=C21

外观: 固体粉末

作用通路: Autophagy

溶解性: DMSO up to 50 mM

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

产品介绍: Purmorphamine is a Hedgehog agonist, which activates the Hedgehog pathway by targeting Smoothened. Purmorphamine induces osteogenesis by activation of the hedgehog signaling pathway. Purmorphamine increases DARPP-32 differentiation in human striatal neural stem cells through the Hedgehog pathway. Purmorphamine enhances osteogenic activity of human osteoblasts derived from bone marrow mesenchymal cells. Hedgehog (Hh) signaling is an important regulator of embryonic patterning, tissue regeneration, stem cell renewal and cancer growth.