
ML228

产品编号: D50800

CAS: 1357171-62-0

分子式: C₂₇H₂₁N₅

纯度: ≥98%

InChi: InChI=1S/C₂₇H₂₁N₅/c1-3-9-21(10-4-1)22-16-14-20(15-17-22)19-29-27-25(23-11-5-2-6-12-23)3
1-32-26(30-27)24-13-7-8-18-28-24/h1-18H,19H₂, (H,29,30,32)

InChi Key: QNRODODTMXCRKU-UHFFFAOYSA-N

Smiles: C(NC1N=C(N=NC=1C1C=CC=CC=1)C1C=CC=CN=1)C1C=CC(=CC=1)C1C=CC=CC=1

外观: 固体粉末

作用通路: HIF/HIF Prolyl-Hydroxylase

溶解性: DMSO up to 100 mM

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

产品介绍: ML228 is a hypoxia inducible factor (HIF) pathway activator with an EC₅₀ at ~1.23 μM in HRE gene reporter assay and ~1.4 μM in HIF-1α nuclear translocation assay. It does not inhibit the proteasome, but activates HIF stabilization and nuclear translocation, and induces expression of a HIF specific downstream gene (VEGF). It has no apparent toxicity below 30 μM and appeared to be an iron chelator, independently of PHD. HIFs are transcription factors responsible for the activation of genes which encode proteins that mediate adaptive responses to reduced oxygen availability. HIF pathway is the most significant pathway for cellular response to hypoxia.