

Catalog Number: CM11470

产品信息

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CAS号:
1154028-82-6

分子式:
 $C_{13}H_{14}N_8O_2$

主要靶点:
HIF/HIF Prolyl-Hydroxylase

主要通路:
代谢|表观遗传

分子量:
314.3

溶解度:
DMSO:11 mg/mL (35 mM), Sonification is recommended.

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靶点活性

PHD2:280 nM|PHD3:450 nM|PHD1:480 nM

体外活性

In vitro, Molidustat induces the transcription of hypoxia-sensitive genes in HeLa, A549, and Hep3B cells. [1]

体内活性

In healthy Wistar rats and cynomolgus monkeys, Molidustat (1.5 mg/kg, p.o.) induces dose-dependent production of EPO and erythropoiesis. In rats with gentamicin-induced renal anemia, Molidustat (5 mg/kg, p.o.) is also effective in raising hematocrit levels while stimulating endogenous EPO production without hypertensive effects. [1]

描述

Molidustat(BAY-85-3934), an inhibitor of hypoxia-inducible factor (HIF) prolyl hydroxylase (PH), stimulates erythropoietin (EPO) production and the formation of red blood cells.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 1 year