
1, 4-DPCA

产品编号: D50945

CAS: 331830-20-7

分子式: C₁₃H₈N₂O₃

纯度: ≥98%

InChi: InChi=1S/C₁₃H₈N₂O₃/c16-12-8-4-3-7-2-1-5-14-10(7)11(8)15-6-9(12)13(17)18/h1-6H,(H,15,16)
(H,17,18)

InChi Key: XZZHOJONZJQARN-UHFFFAOYSA-N

Smiles: OC(=O)C1=CNC2C(=CC=C3C=CC=NC3=2)C1=O

外观: 固体粉末

作用通路: HIF/HIF Prolyl-Hydroxylase

溶解性: DMSO up to 10 mM, EtOH up to 20 mM

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

产品介绍: 1, 4-DPCA is a selective and cell permeable prolyl 4-hydroxylase (P4H) inhibitor. It inhibits α -prolyl4-hydroxylase, an oxygen-sensing enzyme that targets the pro-angiogenic factor HIF-1 α for destruction upon hydroxylation of a specific proline residue. It also inhibits asparaginyl-hydroxylase factor inhibiting HIF (FIH) and is useful for controlling excess collagen deposition in pathological fibrosis.