
SD70

产品编号: D50858

CAS: 332173-89-4

分子式: C₁₈H₁₈N₂O₃

纯度: ≥98%

InChi: InChi=1S/C₁₈H₁₈N₂O₃/c1-11(2)18(22)20-16(14-6-4-10-23-14)13-8-7-12-5-3-9-19-15(12)17(13)
21/h3-11,16,21H,1-2H3,(H,20,22)

InChi Key: PBZYAPZLINAHET-UHFFFAOYSA-N

Smiles: CC(C)C(=O)NC(C1=CC=CO1)C1=CC=C2C=CC=NC2=C1O

外观: 固体粉末

溶解性: DMSO up to 50 mM

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

产品介绍: SD70 is a potent, selective and cell-permeable inhibitor of histone demethylase JMJD2 (KDM4C), identified by phenotypic screening for inhibitors of ligand and genotoxic stress-induced translocations in prostate cancer cells. Through Chem-seq approach, SD70 was found to inhibit the androgen-dependent AR program and prostate cancer cell growth, acting, at least in part, by functionally inhibiting the Jumonji domain-containing demethylase KDM4C. SD70 inhibits AR target gene expression, inhibits prostate cancer cell growth in vitro and tumor growth in vivo. SD70 holds potential promise for ultimate use in prostate cancer therapy.