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## CPI-455

产品编号: D50981

CAS: 1628208-23-0

分子式: C<sub>16</sub>H<sub>14</sub>N<sub>4</sub>O

纯度: ≥98%

InChi: InChi=1S/C<sub>16</sub>H<sub>14</sub>N<sub>4</sub>O/c1-10(2)13-14(11-6-4-3-5-7-11)19-15-12(8-17)9-18-20(15)16(13)21/h3-7,9-10,19H,1-2H3

InChi Key: DHXKRMSKXLDZGY-UHFFFAOYSA-N

Smiles: CC(C)C1C(=O)N2N=CC(C#N)=C2NC=1C1C=CC=CC=1

外观: 固体粉末

作用通路: Histone Demethylase

溶解性: DMSO up to 50 mM

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

产品介绍: CPI-455 is a potent and selective inhibitor of KDM5 demethylases which reduces survival of drug-tolerant cancer cells. CPI-455 mediated KDM5 inhibition, elevated global levels of H3K4 trimethylation (H3K4me3) and decreased the number of DTPs in multiple cancer cell line models treated with standard chemotherapy or targeted agents. Pretreatment of cancer cells with a KDM5-specific inhibitor results in the ablation of a subpopulation of cancer cells that can serve as the founders for therapeutic relapse.