
RG2833 (RGFP109)

产品编号: D50887

CAS: 1215493-56-3

分子式: C₂₀H₂₅N₃O₂

纯度: ≥98%

InChi: InChI=1S/C₂₀H₂₅N₃O₂/c1-15-10-12-16(13-11-15)20(25)22-14-6-2-3-9-19(24)23-18-8-5-4-7-17(18)21/h4-5,7-8,10-13H,2-3,6,9,14,21H₂,1H₃,(H,22,25)(H,23,24)

InChi Key: VOPDXHFYDJAYNS-UHFFFAOYSA-N

Smiles: CC1C=CC(=CC=1)C(=O)NCCCCC(=O)NC1C=CC=CC=1N

外观: 固体粉末

作用通路: HDAC

溶解性: DMSO up to 100 mM

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

产品介绍: RG2833 (RGFP109) is a potent and selective brain-penetrant HDAC inhibitor with IC₅₀ of 60 nM and 50 nM for HDAC1 and HDAC3, respectively. It upregulates frataxin mRNA and protein levels dose-dependently in cultures of unstimulated peripheral blood mononuclear cells (PBMC) obtained from FRDA patients. In vivo it corrects frataxin deficiency and increases histone acetylation in the brain and heart of KIKI mice without acute toxicity signs.