
RGFP966

产品编号: D50823

CAS: 1357389-11-7

分子式: C₂₁H₁₉FN₄O

纯度: ≥98%

InChi: InChi=1S/C₂₁H₁₉FN₄O/c22-18-9-10-20(19(23)13-18)25-21(27)11-8-17-14-24-26(15-17)12-4-7-16-5-2-1-3-6-16/h1-11,13-15H,12,23H2,(H,25,27)/b7-4+,11-8+

InChi Key: BLVQHYHDYFTPDV-VCABWLAWSA-N

Smiles: NC1=CC(F)=CC=C1NC(=O)/C=C/C1C=NN(CC=CC2C=CC=CC=2)C=1

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: RGFP966 is a potent and selective HDAC3 inhibitor. It has an IC₅₀ of 0.08 μM for HDAC3 and displays no effective inhibition of any other HDAC at concentrations up to 15 μM. RGFP966 treatment on two cutaneous T cell lymphoma (CTCL) cell lines for 24 hours resulted in increased acetylation at H3K9/K14, H3K27, and H4K5, but not H3K56ac as revealed by western blot analysis. RGFP966 decreases cell growth of CTCL cell lines due to increased apoptosis that is associated with DNA damage and impaired S phase progression. Besides its use to study cancer biology, it also has specific neurological effects. Interestingly, RGFP966 treatment in vivo enhances long-term memory for object memory in mice. It facilitates extinction and prevents reinstatement of cocaine-conditioned place preference.