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## UF010

产品编号: D50936

CAS: 537672-41-6

分子式: C<sub>11</sub>H<sub>15</sub>BrN<sub>2</sub>O

纯度: ≥98%

InChi: InChI=1S/C<sub>11</sub>H<sub>15</sub>BrN<sub>2</sub>O/c1-2-3-8-13-14-11(15)9-4-6-10(12)7-5-9/h4-7,13H,2-3,8H<sub>2</sub>,1H<sub>3</sub>,14,15

InChi Key: BVQCFCYPFJOOAV-UHFFFAOYSA-N

Smiles: CCCCNNC(=O)C1C=CC(Br)=CC=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: UF-010 is a Class I HDAC inhibitor (IC<sub>50</sub> values are 0.06, 0.1, 0.5 and 1.5 μM for HDACs 3, 2, 1 and 8, respectively). UF010 inhibits cancer cell proliferation via class I HDAC inhibition. This causes global changes in protein acetylation and gene expression, resulting in activation of tumor suppressor pathways and concurrent inhibition of several oncogenic pathways. The isotype selectivity coupled with interesting biological activities in suppressing tumor cell proliferation support further preclinical development of the UF010 class of compounds for potential therapeutic applications.