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## Spautin-1

产品编号: D50704

CAS: 1262888-28-7

分子式: C<sub>15</sub>H<sub>11</sub>F<sub>2</sub>N<sub>3</sub>

纯度: ≥98%

InChi: InChi=1S/C<sub>15</sub>H<sub>11</sub>F<sub>2</sub>N<sub>3</sub>/c16-11-3-1-10(2-4-11)8-18-15-13-7-12(17)5-6-14(13)19-9-20-15/h1-7,9  
H,8H2,(H,18,19,20)

InChi Key: AWIVHRPYFSSVOG-UHFFFAOYSA-N

Smiles: FC1C=CC(CNC2=NC=NC3=CC=C(F)C=C32)=CC=1

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 100 mM

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

产品介绍: Spautin-1 is a potent autophagy inhibitor with an IC<sub>50</sub> ~0.74 μM, and was discovered by an imaging-based screen. It can selectively promote the degradation of Vps34 complexes. Mechanistic studies showed that Spautin-1 inhibited two ubiquitin specific peptidases, USP10 and USP13, which target the Beclin1 subunit of Vps34 complexes. Since USP10 mediates the deubiquitination of p53, regulating deubiquitination activity of USP10 and USP13 by Beclin1 provides a mechanism for Beclin1 to control the levels of p53.