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## VLX1570

产品编号: D51531

CAS: 1431280-51-1

分子式: C<sub>23</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>6</sub>

纯度: ≥98%

InChi: InChi=1S/C<sub>23</sub>H<sub>17</sub>F<sub>2</sub>N<sub>3</sub>O<sub>6</sub>/c1-2-22(29)26-8-7-16(9-14-3-5-18(24)20(11-14)27(31)32)23(30)17(13-26)10-15-4-6-19(25)21(12-15)28(33)34/h2-6,9-12H,1,7-8,13H2/b16-9-,17-10-

InChi Key: SCKXBVLYWLLALY-CQRYCMKKSA-N

Smiles: C=CC(=O)N1C/C(=C/C2=CC(=C(F)C=C2)[N+])([O-])=O)/C(=O)/C(/CC1)=C\C1=CC(=C(F)C=C1)[N+](O-)=O

外观: 固体粉末

作用通路: Deubiquitinase

溶解性: Soluble in DMSO, not in water

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

产品介绍: VLX1570 is an inhibitor of the 19S proteasome-specific deubiquitylating enzymes (DUBs) USP14 and UCHL5, with apoptosis-inducing and antineoplastic activities. Upon administration, VLX1570 specifically binds to both USP14 and UCHL5, thereby blocking their deubiquitylating activity. This blocks the ubiquitin proteasome degradation pathway, prevents the degradation of defective proteins, and leads to an accumulation of poly-ubiquitylated proteins. This induces the unfolded protein response (UPR) and results in both the induction of tumor cell apoptosis and the inhibition of tumor cell growth.