
EN6

产品编号: D62122

CAS: 1808714-73-9

分子式: C₁₉H₁₄F₂N₄O₂

纯度: 95%

InChi Key: InChiKey=SUSXQEYPNDORDQ-UHFFFAOYSA-N

Smiles: Fc1ccc(NC(=O)c2cnn(c2)-c2ccccc2F)cc1NC(=O)C=C

外观: 固体粉末

作用通路: Autophagy

作用靶点: Autophagy; Proton pump

溶解性: Soluble in DMSO、Ethanol

保存条件: -20°C

产品介绍: EN6 is a small-molecule in vivo autophagy activator that covalently targets cysteine 277 in the ATP6V1A subunit of the lysosomal v-ATPase. EN6-mediated modification of ATP6V1A uncouples v-ATPase from Rag, leading to inhibition of mTORC1 signalling, increased lysosomal acidification, and activation of autophagy. EN6 also scavenges TDP-43 aggregates (causative agents of frontotemporal dementia) in a lysosome-dependent manner