
Endosidin-2

产品编号: D56251

CAS: 1839524-44-5

分子式: C₂₈H₂₉N₃O₂

纯度: 98.29%

InChi Key: InChiKey=UIADDCURKKFTFW-QGMBQPNBSA-N

Smiles: COC1=CC(\C=N\NC(=O)C2=CC=CC(F)=C2)=CC(I)=C1O

外观: 固体粉末

作用通路: Others

作用靶点: Others

溶解性: DMSO : 90.0 mg/mL (217.3 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Endosidin-2 is an exocyst inhibitor, a cell-permeable benzylidene benzoylhydrazine, that binds to the exocyst component of the 70 kDa (EXO70) subunit of the exocyst complex (K_d = 253 μM, EXO70A1). Endosidin-2 disrupts protein translocation between the endosomes and plasma membrane, thereby facilitating translocation of proteins to the vesicle for degradation. It also inhibits recirculation of endocytosed transferrin to the plasma membrane in HeLa cells and targets multiple isoforms of mammalian EXO70, leading to dysregulation of exocytosis. Endosidin2 can be used as a tool molecule to study cytosolization.