
CK-1827452

产品编号: D51058

CAS: 873697-71-3

分子式: C₂₀H₂₄FN₅O₃

纯度: ≥98%

InChi: InChI=1S/C₂₀H₂₄FN₅O₃/c1-14-6-7-16(12-22-14)23-19(27)24-17-5-3-4-15(18(17)21)13-25-8-10-26(11-9-25)20(28)29-2/h3-7,12H,8-11,13H2,1-2H3,(H2,23,24,27)

InChi Key: RFUBTTPMWSKEIW-UHFFFAOYSA-N

Smiles: CC1=CC=C(C=N1)NC(=O)NC1=CC=CC(CN2CCN(CC2)C(=O)OC)=C1F

外观: 固体粉末

作用通路: Myosin

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: CK-1827452 is a cardiac specific myosin activator. It is clinically tested for its role in the treatment of left ventricular systolic heart failure. CK-1827452 specifically targets and activates myocardial ATPase and improves energy utilization. CK-1827452 improves systolic function by increasing the systolic ejection duration/stroke volume, without consuming more ATP energy, oxygen or altering intracellular calcium levels causing an overall improvement in cardiac efficiency.