
Eg5 Inhibitor III

产品编号: D51169

CAS: 863774-58-7

分子式: C₁₆H₁₈N₂O₂S

纯度: ≥98%

InChi: InChI=1S/C₁₆H₁₈N₂O₂S/c1-16(2)7-11-13(12(20)8-16)14(18-15(21)17-11)9-4-3-5-10(19)6-9/h3-6,14,19H,7-8H2,1-2H3,(H2,17,18,21)

InChi Key: RUOOPLOUUYNPY-UHFFFAOYSA-N

Smiles: CC1(C)CC2NC(=S)NC(C=2C(=O)C1)C1C=CC(=O)C=1

外观: 固体粉末

作用通路: Kinesin

溶解性: DMSO : 100 mg/mL (330.70 mM; Need ultrasonic)

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

产品介绍: Eg5 Inhibitor III is an inhibitor of mitotic motor kinesin Eg5 (IC₅₀ = 200 nM). Eg5 Inhibitor III suppresses human pancreatic cancer cell migration and invasion in vitro via allosteric inhibition of mitotic kinesin Eg5. The inhibition of kinesin Eg5 by small molecules such as monastrol is currently evaluated as an approach to develop a novel class of antiproliferative drugs for the treatment of malignant tumours.