
ELR510444

产品编号: D51589

CAS: 1233948-35-0

分子式: C₁₉H₁₆N₂O₂S₂

纯度: ≥98%

InChi: InChI=1S/C₁₉H₁₆N₂O₂S₂/c1-13-3-8-17(9-4-13)25(22,23)21-18-11-15(6-5-14(18)2)19-10-7-16(12-20)24-19/h3-11,21H,1-2H3

InChi Key: GRYXROIHHXHFND-UHFFFAOYSA-N

Smiles: CC1C=CC(=CC=1NS(=O)(=O)C1C=CC(C)=CC=1)C1=CC=C(C#N)S1

外观: 固体粉末

作用通路: Apoptosis

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: ELR510444 is a potent microtubule disruptor with potential anticancer activity. ELR510444 has potent microtubule-disrupting activity, causing a loss of cellular microtubules and the formation of aberrant mitotic spindles and leading to mitotic arrest and apoptosis of cancer cells. ELR510444 potently inhibited cell proliferation with an IC₅₀ value of 30.9 nM in MDA-MB-231 cells, inhibited the rate and extent of purified tubulin assembly, and displaced colchicine from tubulin, indicating that the drug directly interacts with tubulin at the colchicine-binding site.