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## SW-044248

产品编号: D51242

CAS: 522650-83-5

分子式: C<sub>22</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>22</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S/c1-4-18(21(28)23-15-11-7-9-13-17(15)29-3)30-22-24-20-19(25-26-22)14-10-6-8-12-16(14)27(20)5-2/h6-13,18H,4-5H<sub>2</sub>,1-3H<sub>3</sub>, (H,23,28)

InChi Key: PEVRGVRHMMZNGI-UHFFFAOYSA-N

Smiles: COC1C=CC=CC=1NC(=O)C(CC)SC1=NC2=C(N=N1)C1C=CC=CC=1N2CC

外观: 固体粉末

作用通路: Topoisomerase

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: SW044248 is a potent and selective Topoisomerase I inhibitor. SW044248 killed approximately 15% of a panel of 74 NSCLC cell lines and was nontoxic to immortalized human bronchial cell lines. The acute transcriptional response to SW044248 in sensitive HCC4017 cells correlated significantly with inhibitors of topoisomerases and SW044248 inhibited topoisomerase 1 (Top1) but not topoisomerase 2. SW044248 inhibited Top1 differently from camptothecin and camptothecin did not show the same selective toxicity as SW044248. Elimination of Top1 by siRNA partially protected cells from SW044248, although removing Top1 was itself eventually toxic.