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## AZ20

产品编号: D51107

CAS: 1233339-22-4

分子式: C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S/c1-14-13-28-11-10-25(14)19-12-18(21(7-8-21)29(2,26)27)23-20(24-19)16-4-3-5-17-15(16)6-9-22-17/h3-6,9,12,14,22H,7-8,10-11,13H2,1-2H3/t14-/m1/s1

InChi Key: SCGCBAAYLFTIJU-CQSZACIVSA-N

Smiles: [C@H]1COCCN1C1C=C(N=C(N=1)C1C=CC=C2NC=CC=12)C1(CC1)S(C)(=O)=O

外观: 固体粉末

作用通路: ATM/ATR

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: AZ20 is an ATR protein kinase inhibitor, which inhibits ATR immunoprecipitated from HeLa nuclear extracts with an IC<sub>50</sub> of 5 nM and ATR mediated phosphorylation of Chk1 in HT29 colorectal adenocarcinoma tumor cells with an IC<sub>50</sub> of 50 nM. AZ20 potently inhibits the growth of LoVo colorectal adenocarcinoma tumor cells in vitro and has high free exposure in mouse following moderate oral doses. AZ20 is a useful compound to explore ATR pharmacology in vivo.