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## NU 7441

产品编号: D51195

CAS: 503468-95-9

分子式: C<sub>25</sub>H<sub>19</sub>NO<sub>3</sub>S

纯度: ≥98%

InChi: InChI=1S/C<sub>25</sub>H<sub>19</sub>NO<sub>3</sub>S/c27-21-15-23(26-11-13-28-14-12-26)29-24-17(6-3-9-20(21)24)19-8-4-7-18-16-5-1-2-10-22(16)30-25(18)19/h1-10,15H,11-14H2

InChi Key: JAMULYFATHSZJM-UHFFFAOYSA-N

Smiles: O=C1C=C(OC2=C1C=CC=C2C1=CC=CC2=C1SC1C=CC=CC2=1)N1CCOCC1

外观: 固体粉末

作用通路: CRISPR/Cas9

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: NU7441, also known as KU-57788, is a highly potent and selective DNA-PK inhibitor (IC<sub>50</sub>=14 nM), exhibiting ATP-competitive inhibition kinetics. NU7441 increased the cytotoxicity of ionizing radiation and etoposide in SW620, LoVo, and V3-YAC cells but not in V3 cells, confirming that potentiation was due to DNA-PK inhibition. NU7441 substantially retarded the repair of ionizing radiation-induced and etoposide-induced DSB.