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## E-7449

产品编号: D51134

CAS: 1140964-99-3

分子式: C<sub>18</sub>H<sub>15</sub>N<sub>5</sub>O

纯度: ≥98%

InChi: InChi=1S/C<sub>18</sub>H<sub>15</sub>N<sub>5</sub>O/c24-18-13-6-3-7-14-16(13)17(21-22-18)20-15(19-14)10-23-8-11-4-1-2-5-12(11)9-23/h1-7H,8-10H2,(H,22,24)(H,19,20,21)

InChi Key: JLFSBHQQXIAQEC-UHFFFAOYSA-N

Smiles: O=C1NN=C2NC(CN3CC4=CC=CC=C4C3)=NC3C=CC=C1C=32

外观: 固体粉末

作用通路: PARP

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: E-7449, also known as 2X-121, is an orally available small molecule inhibitor of the nuclear enzymes poly (ADP-ribose) polymerase (PARP) 1 and 2, with potential antineoplastic activity. Upon administration, E-7449 selectively binds to PARP 1 and 2, thereby preventing the repair of damaged DNA via the base excision repair (BER) pathway. This agent enhances the accumulation of single and double strand DNA breaks and promotes genomic instability eventually leading to apoptosis. PARP 1/2 inhibitor E-7449 may enhance the cytotoxicity of DNA-damaging agents and of radiotherapy. PARP catalyzes post-translational ADP-ribosylation of nuclear proteins that signal and recruit other proteins to repair damaged DNA.