
CPI-444

产品编号: D51274

CAS: 1202402-40-1

分子式: C₂₀H₂₁N₇O₃

纯度: ≥98%

InChi: InChI=1S/C₂₀H₂₁N₇O₃/c1-12-5-6-16(30-12)17-18-19(24-20(21)23-17)27(26-25-18)9-13-3-2-4-14(22-13)10-29-15-7-8-28-11-15/h2-6,15H,7-11H₂,1H₃,(H₂,21,23,24)/t15-/m0/s1

InChi Key: KURQKNMKCGYWRJ-HNNXBMFYSA-N

Smiles: CC1=CC=C(O1)C1=NC(N)=NC2=C1N=NN2CC1C=CC=C(CO[C@@H]2COCC2)N=1

外观: 固体粉末

作用通路: Adenosine Receptor

溶解性: Soluble in DMSO

保存条件: Store in dry, dark place for one year.

产品介绍: CPI-444 is an orally administered antagonist of the adenosine A_{2A} receptor. Upon oral administration, CPI-444 binds to adenosine A_{2A} receptors expressed on the surface of immune cells, including T-lymphocytes, natural killer (NK) cells, macrophages and dendritic cells (DCs). This prevents tumor-released adenosine from interacting with the A_{2A} receptors on these key immune surveillance cells, thereby abrogating adenosine-induced immunosuppression in the tumor microenvironment.