
Sildenafil Citrate

产品编号: D51572

CAS: 171599-83-0

分子式: C₂₈H₃₈N₆O₁₁S

纯度: ≥98%

InChi: InChI=1S/C₂₂H₃₀N₆O₄S.C₆H₈O₇/c1-5-7-17-19-20(27(4)25-17)22(29)24-21(23-19)16-14-15(8-9-18(16)32-6-2)33(30,31)28-12-10-26(3)11-13-28;7-3(8)1-6(13,5(11)12)2-4(9)10/h8-9,14H,5-7,10-13H₂,1-4H₃, (H,23,24,29);13H,1-2H₂, (H,7,8)(H,9,10)(H,11,12)

InChi Key: DEIYFTQMCPDXOT-UHFFFAOYSA-N

Smiles: CN1CCN(CC1)S(=O)(=O)C1=CC(C2NC3=C(C(=O)N=2)N(C)N=C3CCC)=C(C=C1)OCC.OC(=O)C(O)(CC(O)=O)CC(O)=O

外观: 固体粉末

作用通路: Apoptosis

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: Sildenafil is a selective inhibitor of PDE5 (type 5 cGMP phosphodiesterase) which catalyzes the hydrolysis of 3',5'-cyclic guanosine monophosphate (cGMP). As a PDE5 inhibitor, Sildenafil has been reported to enhance neuro-, synapto- and angiogenesis in rat models of stroke and also is reported to be a mild vasodilator. Sildenafil has also been shown to prevent indomethacin-induced small intestinal ulceration formation through an NO/cGMP-dependent mechanism.