
Furamidine dihydrochloride

产品编号: D50916

CAS: 55368-40-6

分子式: C₁₈H₁₈Cl₂N₄O

纯度: ≥98%

InChi: InChi=1S/C₁₈H₁₆N₄O.2ClH/c19-17(20)13-5-1-11(2-6-13)15-9-10-16(23-15)12-3-7-14(8-4-12)18(21)22;;/h1-10H,(H₃,19,20)(H₃,21,22);2*1H

InChi Key: VXNYQUQHOUERTR-UHFFFAOYSA-N

Smiles: Cl.Cl.NC(=N)C1C=CC(=CC=1)C1=CC=C(O1)C1C=CC(=CC=1)C(N)=N

外观: 固体粉末

作用通路: Histone Methyltransferase

溶解性: DMSO and water up to 50 mM

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

产品介绍: Furamidine is a potent, selective and cell permeable Protein arginine methyltransferase-1 (PRMT1) inhibitor with IC₅₀ of 9.4 μM. It has >10-fold selectivity PRMT5, PRMT6 and CARM1 (IC₅₀ are 166, 283 and >400 μM respectively). It targets the enzyme active site and is primarily competitive with the substrate and noncompetitive toward the cofactor. Furamidine effectively inhibits intracellular PRMT1 activity and blocks cell proliferation in leukemia cell lines with different genetic lesions.