
Halofuginone

产品编号: D51438

CAS: 55837-20-2

分子式: C₁₆H₁₇BrClN₃O₃

纯度: ≥98%

InChi: InChI=1S/C₁₆H₁₇BrClN₃O₃/c17-11-6-13-10(5-12(11)18)16(24)21(8-20-13)7-9(22)4-14-15(23)2-1-3-19-14/h5-6,8,14-15,19,23H,1-4,7H2/t14-,15+/m0/s1

InChi Key: LVASCWIMLIKXLA-LSDHHAIUSA-N

Smiles: O[C@@H]1CCCN[C@H]1CC(=O)CN1C=NC2=CC(Br)=C(Cl)C=C2C1=O

外观: 固体粉末

作用通路: DNA/RNA Synthesis

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: Halofuginone, also known as RU-19110, is a semisynthetic quinazolinone alkaloid anticoccidial derived from the plant *Dichroa febrifuga*, with antifibrotic and potential antineoplastic activities. Halofuginone specifically inhibits collagen type I gene expression and matrix metalloproteinase 2 (MMP-2) gene expression, which may result in the suppression of angiogenesis, tumor stromal cell development, and tumor cell growth. These effects appear to be due to halofuginone-mediated inhibition of the collagen type I and MMP-2 promoters.