
Mitoxantrone

产品编号: D51354

CAS: 65271-80-9

分子式: C₂₂H₂₈N₄O₆

纯度: ≥98%

InChi: InChi=1S/C₂₂H₂₈N₄O₆/c27-11-9-23-5-7-25-13-1-2-14(26-8-6-24-10-12-28)18-17(13)21(31)19-15(29)3-4-16(30)20(19)22(18)32/h1-4,23-30H,5-12H2

InChi Key: KKZJGLLVHKMTCM-UHFFFAOYSA-N

Smiles: OC1=CC=C(O)C2=C1C(=O)C1C(=C(C=CC=1NCCNCCO)NCCNCCO)C2=O

外观: 固体粉末

作用通路: PKC

溶解性: Soluble in DMSO

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

产品介绍: Mitoxantrone is an anthraquinone that intercalates in DNA and inhibits topoisomerase II (IC₅₀ = 5.3 μM), thus inhibiting cell proliferation. It also inhibits HIV-1 integrase (IC₅₀ = 3.8 μM). Mitoxantrone is exported from cells in an ATP- and glutathione-dependent manner by multidrug resistance protein-1.4 Formulations containing mitoxantrone have been used in the treatment of cancer and multiple sclerosis.