
Conoidin A

产品编号: D52489

CAS: 18080-67-6

分子式: C₁₀H₈Br₂N₂O₂

纯度: 98%

InChi Key: InChIKey=DQKNFTLRMZOAMG-UHFFFAOYSA-N

Smiles: [O-][N+]1=C(CBr)C(CBr)=[N+](O-)C2=C1C=CC=C2

外观: 固体粉末

作用通路: Microbiology/virology

作用靶点: Parasite

溶解性: DMSO:14.29 mg/mL (41.06 mM; Need ultrasonic)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Conoidin A is a cell permeable inhibitor of *T. gondii* enzyme peroxiredoxin II (TgPrxII) with nematocidal properties. It covalently binds to the peroxidatic Cys47 of TgPrxII, irreversibly inhibiting its hyperperoxidation activity with an IC₅₀ of 23 μM. It also inhibits hyperoxidation of mammalian PrxI and PrxII (but not PrxIII). Conoidin A has antioxidant, neuroprotective effects and can be used for the research of ischaemic heart disease.