
Chlorin E6

产品编号: D56119

CAS: 19660-77-6

分子式: C₃₄H₃₆N₄O₆

纯度: 94.16%

InChi Key: InChiKey=VAJLRIOJDADNAT-UWJYYQICSA-N

Smiles: C(C(O)=O)C1=C2[C@@H](CCC(O)=O)[C@H](C)C(=N2)C=C3NC(C(C=C)=C3C)=CC4=NC(=CC=5NC1=C(C(O)=O)C5C)C(CC)=C4C

外观: 固体粉末

作用通路: Microbiology/virology

作用靶点: Parasite

溶解性: DMSO:11.93 mg/mL (20 mM);Ethanol:Slightly Soluble;DMF:11.93 mg/mL (20 mM)

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

产品介绍: Chlorin e6 is a second-generation photosensitizer with antitumor activity when used in combination with irradiation. In a mouse model of implanted fibrosarcoma, Chlorin e6 (2.5-10 mg/kg, i.v., 50-200 J/cm² irradiation) resulted in complete tumor disappearance after varying degrees of irradiation. Agents including Chlorin e6 were tested in a Phase I clinical study in patients with early superficial squamous cell carcinoma of bronchial origin with favorable results (40 mg/m², IV, 100 J/cm² laser irradiation). In a Phase II clinical trial in patients with early stage lung cancer, the same mode of administration resulted in a complete response in 82.9% of patients. Chlorin e6 has been investigated as a nanotechnology drug delivery tool.