

Catalog Number: CM00291

产品信息

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CM00291

CAS号:
16009-13-5

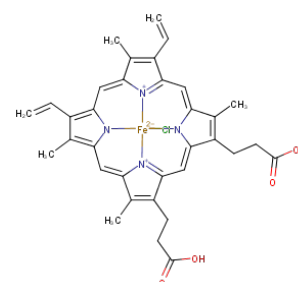
分子式:
C₃₄H₃₂ClFeN₄O₄

主要靶点:
Mitophagy|Autophagy|Ferroptosis

主要通路:
自噬|凋亡

分子量:
651.94

溶解度:
DMSO:6.5 mg/mL (10 mM)



体外活性

Hemin treatment decreased cell proliferation to 62±5 %, 51±3 %, and 38±8 % in PA-TU-8902, BxPC-3 and MiaPaCa-2 cancer cells, respectively, with p<0.0001 for all comparisons. Furthermore, we observed enhancement of anti-proliferative effects of statins by hemin, documented as decreased cell proliferation after 48 h of co-treatment[1][2].

细胞实验

In vitro effects of various statins and hemin, a heme oxygenase inducer, on cell proliferation were evaluated in PA-TU-8902, MiaPaCa-2 and BxPC-3 human pancreatic cancer cell lines. The effect of statins on heme oxygenase activity was assessed and heme oxygenase-silenced cells were used for pancreatic cancer cell proliferation studies. Cell death rate and reactive oxygen species production were measured in PA-TU-8902 cells, followed by evaluation of the effect of cerivastatin on GFP-K-Ras trafficking and expression of markers of invasiveness, osteopontin (SPP1) and SOX2[1].

描述

Hemin is an iron-containing porphyrin and Heme oxygenase (HO)-1 inducer.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years