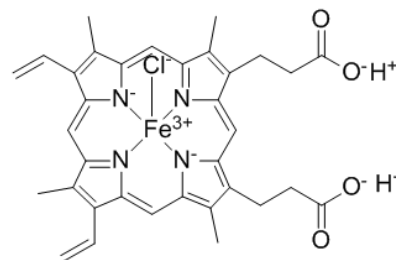


Product Name : Hemin
Cat. No. : PC-45633
CAS No. : 16009-13-5
Molecular Formula : $C_{34}H_{32}ClFeN_4O_4$
Molecular Weight : 651.9403
Target : Autophagy
Solubility : DMSO: 6.6 mg/mL



Biological Activity

Hemin is an iron-containing porphyrin as heme oxygenase (HO)-1 inducer, also is a **CLEC-2** agonist that induces CLEC-2-mediated platelet aggregation.

Hemin, a physiological erythroid maturation stimulator, is able to induce the expression of critical autophagic genes (Map1a1b (LC3), Beclin-1 gen, Atg5) in an erythroleukemia cell type.

Hemin increases the size of autophagic vacuoles and induces mitophagy in K562 cells; a heme oxygenase (HO)1 inducer.

References

Fader CM, et al. *Biol Cell*. 2016 Apr;108(4):77-95.

Higdon AN, et al. *Am J Physiol Heart Circ Physiol*. 2012 Apr 1;302(7):H1394-409.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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