

Catalog Number: CM02696

## 产品信息

**Catalog Number:**  
CM02696

**CAS号:**  
81065-76-1

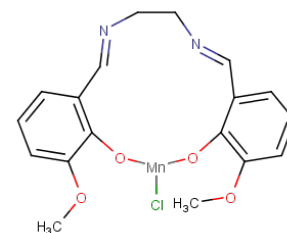
**分子式:**  
 $C_{18}H_{18}ClMnN_2O_4$

**主要靶点:**  
Beta Amyloid

**主要通路:**  
神经科学

**分子量:**  
416.74

**溶解度:**  
Ethanol:<1 mg/mL,H<sub>2</sub>O:11 mg/mL (26.4 mM),DMSO:77 mg/mL (184.8 mM)



## 体外活性

EUK 134 shows potent catalase and SOD activities, and protects human fibroblasts against cytotoxicity by glucose and glucose oxidase. [1] EUK 134 (20  $\mu$  M) prevents A  $\beta$  -induced microglial proliferation in vitro. [2] In SK-N-MC cells, EUK134 protects neuronal cells against H<sub>2</sub>O<sub>2</sub> toxicity by attenuating oxidative stress through inhibition of MAPK pathway, and also results in decreased expression of pro-apoptotic genes p53 and Bax as well as enhanced expression of anti-apoptotic Bcl-2 gene. [3] EUK 134 significantly inhibits amyloid formation at two molar ratios of 1:1 and 5:1 (drugs to protein). [4]

## 体内活性

EUK 134 (2.5 mg/kg), in a middle cerebral artery occlusion model, significantly reduces brain infarct size, and apparently prevents further infarct growth. [1] EUK-134 prevents oxidative stress and attenuates rat brain damage induced by systemic administration of systemic kainic acid (KA). [5]

## 描述

EUK-134, a synthetic superoxide dismutase (SOD)/catalase mimetic, exhibits potent antioxidant activities, and inhibits the formation of  $\beta$  -amyloid and related amyloid fibril.

## 储存

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