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Produktinformation



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Laborgeräte & Service

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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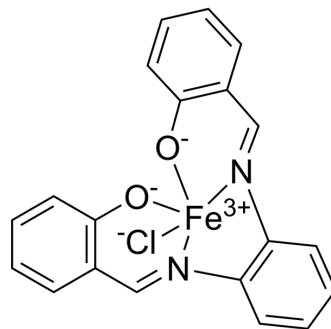
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Chlorido[N,N'-disalicylidene-1,2-phenylenediamine]iron(III)

Cat. No.:	HY-W698255
CAS No.:	39916-28-4
Molecular Formula:	C ₂₀ H ₁₄ ClFeN ₂ O ₂
Molecular Weight:	405.64
Target:	Reactive Oxygen Species; Ferroptosis
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Chlorido[N,N'-disalicylidene-1,2-phenylenediamine]iron(III) generates lipid-based ROS and induce ferroptosis
In Vitro	Chlorido[N,N'-disalicylidene-1,2-phenylenediamine]iron(III) exhibits anti-cancer activity in BJAB, NALM-6, Jurkat, MelHO, and MCF-7 cancer cells (IC ₅₀ s = 0.07, 2.5, 1.5, 3, and 5 μM, respectively) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Jessica Sagasser, et al. A New Approach in Cancer Treatment: Discovery of Chlorido[N, N'-disalicylidene-1,2-phenylenediamine]iron(III) Complexes as Ferroptosis Inducers. J Med Chem. 2019 Sep 12;62(17):8053-8061.
- [2]. Soo-Young Lee, et al. [FeIII (salophene) Cl], a potent iron salophene complex overcomes multiple drug resistance in lymphoma and leukemia cells. Leukemia Research 35 (2011) 387-393.

Caution: Product has not been fully validated for medical applications. For research use only.

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