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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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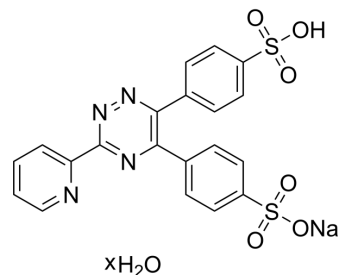
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Ferrozine sodium hydrate

Cat. No.:	HY-W151629A
CAS No.:	1266615-85-3
Molecular Formula:	$C_{20}H_{14}N_4O_6S_2 \cdot xH_2O \cdot Na$
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ferrozine sodium hydrate is a spectrophotometric reagent for iron, can react with divalent Fe to form a stable magenta complex species. The complex has an absorption peak at 562 nm^{[1][2]}. Ferrozine sodium hydrate-based colorimetric assays can quantify iron in cells^[3]

REFERENCES

- [1]. Ferrozine-A New Spectrophotometric Reagent for Iron. ANALYTICAL CHEMISTRY, VOL. 42, NO. 7, JUNE 1970. 779-781
- [2]. E Viollier, et al. The ferrozine method revisited: Fe(II)/Fe(III) determination in natural waters.
- [3]. Riemer et al. Colorimetric ferrozine-based assay for the quantitation of iron in cultured cells. Anal Biochem. 2004 Aug 15;331(2):370-5.

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

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