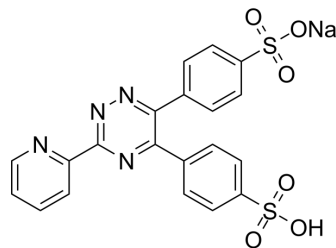


Ferrozine

Cat. No.:	HY-137805
CAS No.:	69898-45-9
Molecular Formula:	C ₂₀ H ₁₃ N ₄ NaO ₆ S ₂
Molecular Weight:	492.46
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (101.53 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0306 mL	10.1531 mL	20.3062 mL
	5 mM	0.4061 mL	2.0306 mL	4.0612 mL
	10 mM	0.2031 mL	1.0153 mL	2.0306 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Ferrozine 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]}.

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.

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

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