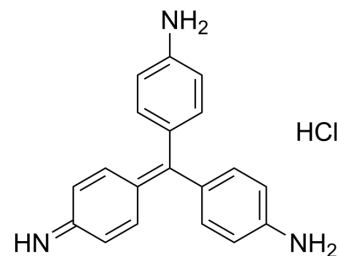


Pararosanine hydrochloride

Cat. No.:	HY-W127770
CAS No.:	569-61-9
Molecular Formula:	C ₁₉ H ₁₈ ClN ₃
Molecular Weight:	323.82
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 (154.41 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0881 mL	15.4407 mL	30.8814 mL
	5 mM	0.6176 mL	3.0881 mL	6.1763 mL
	10 mM	0.3088 mL	1.5441 mL	3.0881 mL

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

BIOLOGICAL ACTIVITY

Description

Pararosanine hydrochloride is a pH-responsive basic dye, as a biological stain to track certain proteins. Pararosanine hydrochloride has been used in the analysis of SO₂ and formaldehyde and staining of bacteria or other organisms^{[1][2]}.

REFERENCES

[1]. Yaagoob IY, et al. A resin containing motifs of maleic acid and glycine: a super-adsorbent for adsorptive removal of basic dye pararosanine hydrochloride and Cd(II) from water. J Environ Health Sci Eng. 2021 Jun 17;19(2):1333-1346.

[2]. Barun Kumar Nandi, et al. Removal of Pararosanine Hydrochloride Dye (Basic Red 9) from Aqueous Solution by Electrocoagulation: Experimental, Kinetics, and Modeling. Journal of Dispersion Science and Technology. Volume 34, 2013 - Issue 12. 1713-1724

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

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