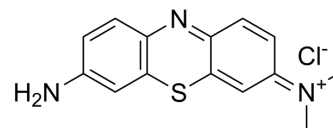


Giemsa stain

Cat. No.:	HY-D0944
CAS No.:	51811-82-6
Molecular Formula:	C ₁₄ H ₁₄ ClN ₃ S
Molecular Weight:	291.8
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 20.83 mg/mL (71.38 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.4270 mL	17.1350 mL	34.2701 mL
	5 mM		0.6854 mL	3.4270 mL	6.8540 mL
	10 mM		0.3427 mL	1.7135 mL	3.4270 mL

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

BIOLOGICAL ACTIVITY

Description

Giemsa stain can stain chromatin and nuclear membrane. Giemsa stain histopathologic detection of malaria and other microorganisms, such as Histoplasma, Leishmania, Toxoplasma, and Pneumocystis. Giemsa stain can be used in histology and microbiology^[1].

REFERENCES

[1]. Dolan M. The role of the Giemsa stain in cytogenetics. Biotech Histochem. 2011 Apr;86(2):94-7.

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

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