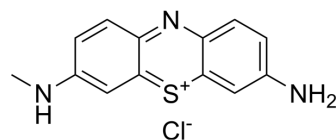


Azure C

Cat. No.:	HY-W143216
CAS No.:	531-57-7
Molecular Formula:	C ₁₃ H ₁₂ ClN ₃ S
Molecular Weight:	277.77
Target:	Others
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 : 1.96 mg/mL (7.06 mM; ultrasonic and warming and heat to 60°C)
Ethanol : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.6001 mL	18.0005 mL	36.0010 mL
	5 mM		0.7200 mL	3.6001 mL	7.2002 mL
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Azure C is the product of sequential enzymatic oxidation of Methylene blue (MB) or Azure B (AB). Azure C serves as the substrate of horseradish peroxidase (HRP)^{[1][2]}.

REFERENCES

- [1]. Ferreira-Leitão V S, et al. Methylene blue and azure B oxidation by horseradish peroxidase: a comparative evaluation of class II and class III peroxidases. Applied Catalysis B: Environmental, 2003, 42(2): 213-221.
- [2]. Lo Cascio F, et al. Azure C Targets and Modulates Toxic Tau Oligomers. ACS Chem Neurosci. 2018 Jun 20;9(6):1317-1326.

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

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