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Produktinformation



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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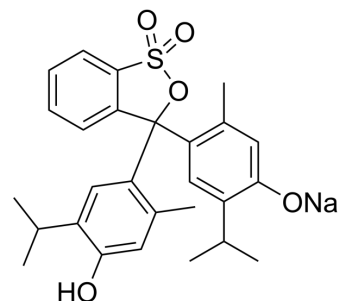
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Thymol Blue sodium

Cat. No.:	HY-D0219A
CAS No.:	62625-21-2
Molecular Formula:	C ₂₇ H ₂₉ NaO ₅ S
Molecular Weight:	488.57
Target:	Fluorescent Dye
Pathway:	Others
Storage:	RT, sealed storage, away from moisture and light



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.72 mg/mL (13.75 mM; ultrasonic and adjust pH to 4 with 1 M HCL)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.0468 mL	10.2339 mL	20.4679 mL
	5 mM		0.4094 mL	2.0468 mL	4.0936 mL
	10 mM		0.2047 mL	1.0234 mL	2.0468 mL

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

BIOLOGICAL ACTIVITY

Description

Thymol Blue sodium is an acid-base indicator used to indicate changes in pH. Thymol Blue sodium fades from red to yellow at pH 1.2 to 2.8 and from yellow to blue at pH 8.0 to 9.6^[1].

REFERENCES

[1]. Huining Zhang, et al. Spectrophotometric pH measurements of surface seawater at in-situ conditions: absorbance and protonation behavior of thymol blue. Marine Chemistry, Volume 52, Issue 1, 1996, Pages 17-25.

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

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