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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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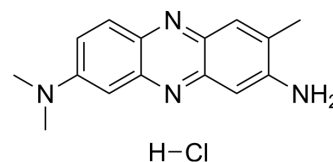
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Neutral Red

Cat. No.:	HY-D0166
CAS No.:	553-24-2
Molecular Formula:	C ₁₅ H ₁₇ ClN ₄
Molecular Weight:	288.78
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 (173.14 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.4628 mL	17.3142 mL	34.6284 mL
		5 mM	0.6926 mL	3.4628 mL	6.9257 mL
	10 mM	0.3463 mL	1.7314 mL	3.4628 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.66 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.66 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Neutral Red, a nitrogenous pH-indicator with a pK _i of 6.8, is an indicator for the internal acidification of thylakoids. Neutral Red stains lysosomes red ^[1] .
In Vitro	As cells begin to die, their ability to incorporate neutral red diminishes. The neutral red is also used to stain cell cultures for plate titration of viruses ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Winfried AUSLANDER, et al. NEUTRAL RED, A RAPID INDICATOR FOR pH-CHANGES IN THE INNER PHASE OF THYLAKOIDS. FEBS LETTERS. 1975 Nov.

[2]. Ellen Borenfreund, et al. A simple quantitative procedure using monolayer cultures for cytotoxicity assays (HTD/NR-90). Journal of tissue culture methods volume 9, pages7-9 (1985).

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

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