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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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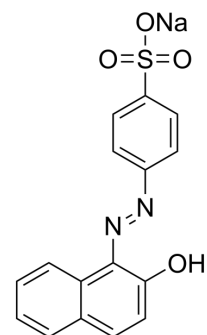
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Acid orange 7

Cat. No.:	HY-N1442
CAS No.:	633-96-5
Molecular Formula:	C ₁₆ H ₁₁ N ₂ NaO ₄ S
Molecular Weight:	350.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 25 mg/mL (71.36 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.8545 mL	14.2727 mL	28.5453 mL
		5 mM		0.5709 mL	2.8545 mL	5.7091 mL
	10 mM		0.2855 mL	1.4273 mL	2.8545 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 5 mg/mL (14.27 mM); Clear solution; Need ultrasonic and warming and heat to 60°C					

BIOLOGICAL ACTIVITY

Description	Acid orange 7 (Orange II), an azo dye, is an indicator pollutant. Acid orange 7 appears in manufacturing wastewater disposed of from the textile, food, and cosmetic industries ^{[1][2]} .
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REFERENCES

- [1]. Fang Zhang, et al. Decolorization of Acid Orange 7 by extreme-thermophilic mixed culture. *Bioresour Technol.* 2019 Nov;291:121875.
- [2]. Mohamad Ghalebizade, et al. Acid Orange 7 treatment and fate by electro-peroxone process using novel electrode arrangement. *Chemosphere.* 2019 Nov;235:1007-1014.

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

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