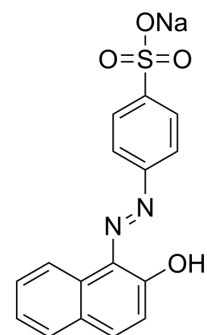


## Acid orange 7

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



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 25 mg/mL (71.36 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		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.					
<b>In Vivo</b>	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

<b>Description</b>	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 <sup>[1][2]</sup> .
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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.

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

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