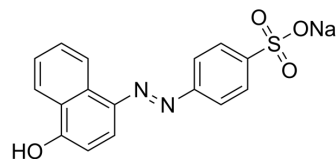


## Orange I

Cat. No.:	HY-D0929
CAS No.:	523-44-4
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> N <sub>2</sub> NaO <sub>4</sub> S
Molecular Weight:	350.32
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (5.94 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (5.94 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Orange I (α-Naphthol Orange) is an organic azo dye used as a food dye<sup>[1]</sup>.

### REFERENCES

[1]. Hamai Sanyo, et al. Inclusion Complexes of Cyclodextrins with Methylene Blue and α-Naphthol Orange and Temperature Dependence of the Inclusion Complexation in Aqueous Solutions. BCSJ. 2002, Vol.75, No.1.

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

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