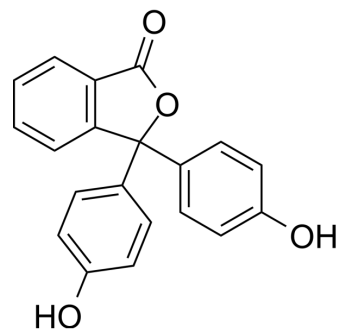


## Phenolphthalein

Cat. No.:	HY-D0211
CAS No.:	77-09-8
Molecular Formula:	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>
Molecular Weight:	318.32
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 Vitro	DMSO : ≥ 50 mg/mL (157.07 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	3.1415 mL	15.7075 mL	31.4149 mL
		5 mM	0.6283 mL	3.1415 mL	6.2830 mL
		10 mM	0.3141 mL	1.5707 mL	3.1415 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 (7.85 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.85 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (7.85 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	Phenolphthalein is a widely applied but toxic indicator dye.
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### REFERENCES

[1]. Fleischmann C, et al. Color indicator for supramolecular polymer chemistry: phenolphthalein-containing thermo- and pH-sensitive N-(Isopropyl)acrylamide copolymers and β-cyclodextrin complexation. Macromol Rapid Commun. 2013 Jul 12;34(13):1085-9.

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

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