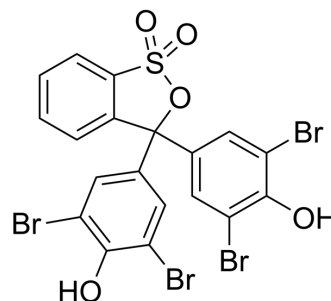


## Bromophenol blue indicator (3.0-4.6)

<b>Cat. No.:</b>	HY-W110798
<b>CAS No.:</b>	115-39-9
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>10</sub> Br <sub>4</sub> O <sub>3</sub> S
<b>Molecular Weight:</b>	669.96
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (149.26 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	1.4926 mL	7.4631 mL	14.9263 mL
		5 mM	0.2985 mL	1.4926 mL	2.9853 mL
	10 mM	0.1493 mL	0.7463 mL	1.4926 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.73 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Bromophenol blue indicator (3.0-4.6) is a synthetic dye commonly used as an acid-base indicator with a transition range of pH 3.0-4.6. Bromophenol blue indicator (3.0-4.6) is water soluble and changes color from yellow to blue as the pH of the solution changes from acidic to basic. Its unique chemical properties make it an important ingredient in a variety of scientific applications, especially in biochemistry and molecular biology. In addition, it can be used as a stain in microbiology and histology. However, Bromophenol blue indicator (3.0-4.6) has potential irritating and staining properties.
<b>In Vitro</b>	Bromophenol blue indicator (3.0-4.6) is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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