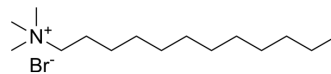


## Dodecyltrimethylammonium bromide

<b>Cat. No.:</b>	HY-D0838
<b>CAS No.:</b>	1119-94-4
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>34</sub> BrN
<b>Molecular Weight:</b>	308.34
<b>Target:</b>	Biochemical Assay Reagents
<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

#### In Vitro

H<sub>2</sub>O : 125 mg/mL (405.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2432 mL	16.2159 mL	32.4317 mL
	5 mM	0.6486 mL	3.2432 mL	6.4863 mL
	10 mM	0.3243 mL	1.6216 mL	3.2432 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Dodecyltrimethylammonium bromide (DTAB) is a surfactant. Dodecyltrimethylammonium bromide interacts with DNA and changes the mechanical properties of DNA on binding and the specific binding parameters of the interaction<sup>[1]</sup>.

### REFERENCES

[1]. E F Silva, et al. Dodecyltrimethylammonium bromide surfactant effects on DNA: Unraveling the competition between electrostatic and hydrophobic interactions.

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

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