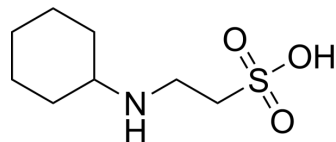


## CHES

<b>Cat. No.:</b>	HY-D0871
<b>CAS No.:</b>	103-47-9
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>17</sub> NO <sub>3</sub> S
<b>Molecular Weight:</b>	207.29
<b>Target:</b>	Biochemical Assay Reagents
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 100 mg/mL (482.42 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	4.8242 mL	24.1208 mL	48.2416 mL
		<b>5 mM</b>	0.9648 mL	4.8242 mL	9.6483 mL
		<b>10 mM</b>	0.4824 mL	2.4121 mL	4.8242 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: 100 mg/mL (482.42 mM); Clear solution; Need ultrasonic				

## BIOLOGICAL ACTIVITY

<b>Description</b>	CHES (N-Cyclohexyltaurine) is a zwitterionic buffer. CHES can bind to hemagglutinin (HA) emulating with sialic acid (SA) and receptor binding site (RBS)-targeting broadly neutralizing antibodies <sup>[1]</sup> .
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## REFERENCES

[1]. Zhaoyu Chen, et al. Small Molecule Inhibitors of Influenza Virus Entry. Pharmaceuticals (Basel). 2021 Jun 18;14(6):587.

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

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