

## N,N-Dimethyl-n-dodecylamine-N-oxide (LDAO) [1643-20-5]

#Cat: NB-39-00028-1g

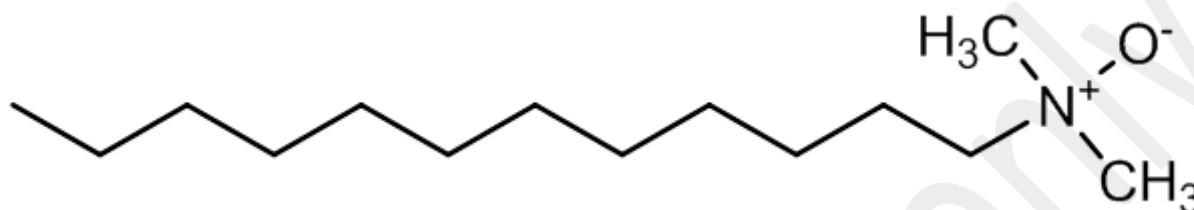
Size: 1g

#Cat: NB-39-00028-5g

Size: 5g

#Cat: NB-39-00028-25g

Size: 25g



### Product Information

<b>Chemical Name:</b>	N,N-Dimethyl-n-dodecylamine-N-oxide
<b>Synonyms:</b>	LDAO, Lauryldimethylamine N-oxide, DDAO
<b>Batch Molecular Formula:</b>	C <sub>14</sub> H <sub>31</sub> NO
<b>Batch Molecular Weight:</b>	229.4
<b>CAS No.:</b>	[1643-20-5]
<b>Physical Appearance:</b>	White solid crystal powder
<b>Melting point:</b>	132° - 133°C
<b>pH:</b>	(1% solution) 6,0 +/-1
<b>CMC:</b>	1-2 mM

### Solvent and solubility

1 g / 9 mL H<sub>2</sub>O

### Biological activity

LDAO is a non-denaturing zwitterionic surfactant with a critical micelle concentration (CMC) or approximately 1 mM. It is used to solubilize proteins and to study the conformation and molecular interactions of macromolecules.

LDAO can be used to disrupt phospholipid bilayer of cells.

### Application

LDAO is suitable to use in crystallization of membrane proteins. It is also suitable to enhance the detection of high molecular weight proteins

- CAUTION - Not fully tested. For Research use only. Not for human use. -

## Analytical data

HPLC: >99,5% pure

For reference only

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