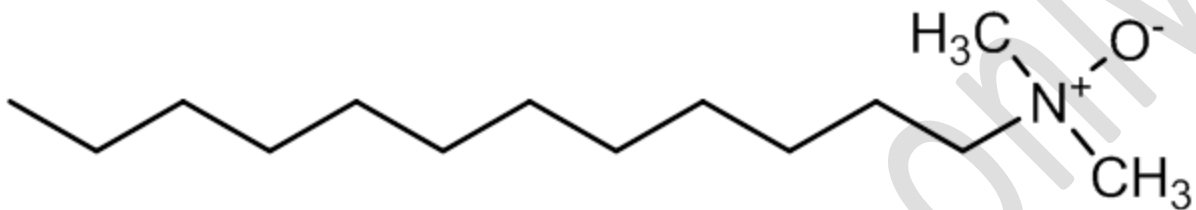


N,N-Dimethyl-n-dodecylamine-N-oxide (LDAO)

Cat # NB-39-00028-1g Size: 1g

Cat # NB-39-00028-5g Size: 5g

Cat # NB-39-00028-25g Size: 25g



Product Information

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

Solvent and solubility

1 g / 9 mL H₂O

Biological activity

LDAO is a non-denaturing zwitterionic surfactant with a critical micelle concentration (CMC) of 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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