

PRODUCT INFORMATION



N,N-dimethyl Undecylamine N-oxide

Item No. 20650

CAS Registry No.: 15178-71-9

Formal Name: N-oxide-N,N-dimethyl-1-undecanamine

MF: C₁₃H₂₉NO

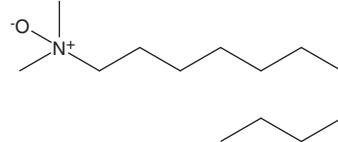
FW: 215.4

Purity: ≥98%

Supplied as: A crystalline solid

Storage: -20°C

Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly



Laboratory Procedures

N,N-dimethyl Undecylamine N-oxide is supplied as a crystalline solid. A stock solution may be made by dissolving the N,N-dimethyl undecylamine N-oxide in the solvent of choice. N,N-dimethyl Undecylamine N-oxide is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of N,N-dimethyl undecylamine N-oxide in these solvents is approximately 15, 0.10, and 0.30 mg/ml, respectively.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of N,N-dimethyl undecylamine N-oxide can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of N,N-dimethyl undecylamine N-oxide in PBS, pH 7.2, is approximately 0.10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

N,N-dimethyl Undecylamine N-oxide is an organic building block that may act as a surfactant.

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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