

# Didecylamine, hydrochloride

<b>Other names:</b>	1-decanamine, N-decyl-, hydrochloride Di-n-decylammonium chloride didecylammonium chloride
<b>Inchi:</b>	InChI=1S/C20H43N.ClH/c1-3-5-7-9-11-13-15-17-19-21-20-18-16-14-12-10-8-6-4-2;/h21H
<b>InchiKey:</b>	JQRYDCPSJSWQGZ-UHFFFAOYSA-N
<b>Formula:</b>	C20H44ClN
<b>SMILES:</b>	CCCCCCCCCNCCCCCCCCC.Cl
<b>Mol. weight [g/mol]:</b>	334.02
<b>CAS:</b>	2486-84-2

## Physical Properties

Property code	Value	Unit	Source
hfus	40.00	kJ/mol	Thermal characteristics of solid solid phase transitions in long-chain dialkyl ammonium salts

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	631.90	J/molxK	297.93	NIST Webbook

## Sources

Thermal characteristics of solid solid phase transitions in long-chain dialkyl ammonium salts:  
NIST Webbook:

<https://www.doi.org/10.1016/j.tca.2005.04.019>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C2486842&Units=SI>

## Legend

**cps:** Solid phase heat capacity  
**hfus:** Enthalpy of fusion at standard conditions

Latest version available from:

<https://www.chemeo.com/cid/11-024-2/Didecylamine-hydrochloride.pdf>

Generated by Cheméo on 2024-04-20 04:01:34.197352263 +0000 UTC m=+15874943.117929580.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.