Octanamine, n-octyl-, hydrochloride

Other names:	1-octanamine, N-octyl-, hydrochloride
	Di-n-octylammonium chloride
	N-octyl-1-octaminium hydrochloride
	N-octyl-1-octanamine hydrochloride
	dioctylammonium chloride
Inchi:	InChI=1S/C16H35N.ClH/c1-3-5-7-9-11-13-15-17-16-14-12-10-8-6-4-2;/h17H,3-16H2,1-2H
InchiKey:	AFQGAXFMOMNYDL-UHFFFAOYSA-N
Formula:	C16H36ClN
SMILES:	CCCCCCCCNCCCCCCCC.Cl
Mol. weight [g/mol]:	277.92
CAS:	2296-14-2

Physical Properties

Property code	Value	Unit	Source
hfus	37.00	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	550.20	J/mol×K	298.24	NIST Webbook

Sources

Thermal characteristics of solid solid phase transitions in long-chain dialkyl ammonium salts:	https://www.doi.org/10.1016/j.tca.2005.04.019
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2296142&Units=SI

Legend

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