

# Neodymium isothiocyanate heptahydrate

**Inchi:** InChI=1S/3CNS.Nd.7H2O/c3\*2-1-3;;;;;;;;;;/h;;;;;7\*1H2/q3\*-1;+3;;;;;;;;;  
**InchiKey:** XOQWWKZUPHRULA-UHFFFAOYSA-N  
**Formula:** C3N3NdS3.H14O7  
**SMILES:** O.O.O.O.O.O.O.[N-]=C=S.[N-]=C=S.[N-]=C=S.[Nd]  
**Mol. weight [g/mol]:** 444.60  
**CAS:** 113614-85-0

## Physical Properties

Property code	Value	Unit	Source
ss	608.13	J/molxK	NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	551.74	J/molxK	298.15	NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C113614850&Units=SI>

## Legend

**cps:** Solid phase heat capacity  
**ss:** Solid phase molar entropy at standard conditions

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