

Yttrium isothiocyanate hexahydrate

Inchi: InChI=1S/3CNS.6H2O.Y/c3*2-1-3;;;;;;;;;h;;;6*1H2;/q3*-1;;;;;;;;;+3
InchiKey: MVGWFJVBBWLOQK-UHFFFAOYSA-N
Formula: C3N3S3Y.H12O6
SMILES: O.O.O.O.O.O.[N-]=C=S.[N-]=C=S.[N-]=C=S.[Y+3]
Mol. weight [g/mol]: 371.25
CAS: 91862-09-8

Physical Properties

Property code	Value	Unit	Source
ss	511.57	J/mol×K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	454.25	J/mol×K	298.15	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C91862098&Units=SI>

Legend

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

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<https://www.cheméo.com/cid/13-509-2/Yttrium-isothiocyanate-hexahydrate.pdf>

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