

Gadolinium isothiocyanate hexahydrate

Inchi: InChI=1S/3CNS.Gd.6H2O/c3*2-1-3;;;;;;;;;h;;;;;6*1H2/q3*-1;+3;;;;;;;;;
InchiKey: CQWLZHDGFWEIRB-UHFFFAOYSA-N
Formula: C3GdN3S3.H12O6
SMILES: O.O.O.O.O.O.[Gd+3].[N-]=C=S.[N-]=C=S.[N-]=C=S
Mol. weight [g/mol]: 439.59
CAS: 94007-91-7

Physical Properties

Property code	Value	Unit	Source
ss	527.16	J/molxK	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	459.98	J/molxK	298.15	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C94007917&Units=SI>

Legend

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

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