

Praseodymium isothiocyanate heptahydrate

Inchi: InChI=1S/3CNS.7H2O.Pr/c3*2-1-3;;;;;;;;;;/h;;;7*1H2;/q3*-1;;;;;;;;;;+3
InchiKey: QOBNILSMAAIIOF-UHFFFAOYSA-N
Formula: C3N3PrS3.H14O7
SMILES: O.O.O.O.O.O.O.[N-]=C=S.[N-]=C=S.[N-]=C=S.[Pr]
Mol. weight [g/mol]: 441.26
CAS: 113614-86-1

Physical Properties

Property code	Value	Unit	Source
ss	613.41	J/molxK	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cps	540.80	J/molxK	298.15	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C113614861&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/81-256-8/Praseodymium-isothiocyanate-heptahydrate.pdf>

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