

Nickel bromide

Other names:	nickel dibromide nickel(II) bromide
Inchi:	InChI=1S/2BrH.Ni/h2*1H;/q;;+2/p-2
InchiKey:	IPLJNQFXJUCRNH-UHFFFAOYSA-L
Formula:	Br2Ni
SMILES:	[Br-].[Br-].[Ni+2]
Mol. weight [g/mol]:	218.50

Physical Properties

Property code	Value	Unit	Source
hsub	226.00 ± 1.00	kJ/mol	NIST Webbook
ie	10.30	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	207.00 ± 4.00	kJ/mol	841.50	NIST Webbook

Sources

Thermochemistry of adducts of some bivalent transition metal bromides with triphenylphosphine
Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents Revisited
Solubility Relationships and Compressibilities of Divalent Transition Metal Bromide Adducts of Some Triphenylphosphine
Infrared Spectra of Adducts of Some Bivalent Transition Metal Bromides with Triphenylphosphine
Thermochemistry of Adducts of Some Bivalent Transition Metal Bromides with Triphenylphosphine
Thermochemistry of Adducts of Some Bivalent Transition Metal Bromides with Triphenylphosphine

NIST Webbook:

<https://www.doi.org/10.1016/j.tca.2006.05.022>

<https://www.doi.org/10.1021/je8001877>

<https://www.doi.org/10.1016/j.tca.2005.06.016>

<https://www.doi.org/10.1016/j.tca.2007.01.034>

<https://www.doi.org/10.1016/j.tca.2005.11.026>

<https://www.doi.org/10.1016/j.tca.2007.11.018>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C13462889&Units=SI>

Cheméo Relay (1.0, beta):

Legend

hsub:	Enthalpy of sublimation at standard conditions
hsubt:	Enthalpy of sublimation at a given temperature
ie:	Ionization energy

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