

Cobalt dibromide

Other names:	cobalt(II) bromide
Inchi:	InChI=1S/2BrH.Co/h2*1H;/q;+2/p-2
InchiKey:	BZRRQSJJPUGBAA-UHFFFAOYSA-L
Formula:	Br2Co
SMILES:	[Br-].[Br-].[Co+2]
Mol. weight [g/mol]:	218.74

Physical Properties

Property code	Value	Unit	Source
hsub	216.00 ± 1.00	kJ/mol	NIST Webbook
ie	9.90	eV	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hsubt	207.00 ± 4.00	kJ/mol	837.50	NIST Webbook

Sources

Thermochemistry of adducts of some bivalent transition metal bromides with triphenylphosphine.

Thermochemistry of adducts of some bivalent transition metal bromides with triphenylphosphine.

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NIST Webbook:

Cheméo Relay (1.0):

Thermodynamic Properties of Inorganic Salts in Nonaqueous Solvents. V. Apparent Molar Volumes and Compressibilities of Divalent Transition Metal Bromides in Nonaqueous Solvents. V. Apparent Molar Volumes and Compressibilities of Divalent Transition Metal Bromides in Nonaqueous Solvents.

Thermochemistry of adducts of some bivalent transition metal bromides with triphenylphosphine.

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

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

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

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7789437&Units=SI>

<https://www.doi.org/10.1021/je7001946>

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

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

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

Legend

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

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