caesium bromide

Other names:	Cesium bromide
	cesium bromide (CsBr)
	cesium monobromide
Inchi:	InChI=1S/BrH.Cs/h1H;/q;+1/p-1
InchiKey:	LYQFWZFBNBDLEO-UHFFFAOYSA-M
Formula:	BrCs
SMILES:	Br[Cs]
Mol. weight [g/mol]:	212.81
CAS:	7787-69-1

Correlations

Information	Value
Property code	pvap
Equation	ln(Pvp) = A + B/(T + C)
Coeff. A	1.57184e+01
Coeff. B	-1.64223e+04
Coeff. C	-9.36700e+01
Temperature range (K), min.	1021.15
Temperature range (K), max.	1573.15

Sources

Re-Evaluation of the Thermodynamic Activity Quantities in Aqueous Alkali Metal Bromide Solutions at 25 degC:	https://www.doi.org/10.1021/je9007662
Ultrasound velocity in dissolving alkali halide melts:	https://www.doi.org/10.1016/j.jct.2010.10.021
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C7787691&Units=SI
Calorimetric Investigation of PrBr3-MBr Liquid Mixtures (M = Na, K, Rb, Cs) :	https://www.doi.org/10.1021/je200419x
Solid + Liquid Equilibria for the Systems CsBr + ErBr3 + H2O and CsBr + ErBr3 + HBr + 12.5% + H2O at 298.15 K and Atmospheric Pressure:	https://www.doi.org/10.1021/acs.jced.5b00139
Solubility, Density, Refractive Index and Viscosity for the Polyhydric Alcohol + Water + Alkali Halide Systems at 298.15 K:	https://www.doi.org/10.1021/je301222e
Potentiometric Investigation of the Thermodynamic and Hydrogen Bonding Properties of Mixed Electrolyte Systems at 298.2 K: CsF + Ethylene Glycol + H2O:	https://www.doi.org/10.1021/acs.jced.8b00383
Density of Aqueous Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je500420g
The Yaws Handbook of Vapor Pressure:	https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure
Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation:	https://www.doi.org/10.1021/je5009944

Legend

pvap: Vapor pressure