

# 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	$\ln(P_{vp}) = A + B/(T + C)$
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

- Ultrasound velocity in dissolving alkali halide melts: The Yaws Handbook of Vapor Pressure: Density of Methanolic Alkali Halide Salt Solutions by Experiment and Molecular Simulation. <https://www.doi.org/10.1016/j.jct.2010.10.021>  
<https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure>  
<https://www.doi.org/10.1021/je5009944>  
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7787691&Units=SI>
- Potentiometric Investigation of the Thermodynamic Properties of Mixed Chloride Systems of R<sub>2</sub>Br<sub>2</sub>-MBr<sub>2</sub> Liquid Mixtures (R = Na, Cs, K, Rb, Ag): Solubility, Density, Refractive Index, and Viscosity for the Polyhydric Acids of the C<sub>2</sub> and C<sub>3</sub> Systems. <https://www.doi.org/10.1021/acs.jced.8b00383>  
Re-Evaluation of the Thermodynamic Properties of the Aqueous Alkali Metal Bromide and Chloride Systems: Density of Aqueous Alkali Halide Salt Solutions by Experiment and Molecular Simulation. <https://www.doi.org/10.1021/je200419x>  
<https://www.doi.org/10.1021/je301222e>  
<https://www.doi.org/10.1021/je9007662>  
<https://www.doi.org/10.1021/je500420g>  
<https://www.doi.org/10.1021/acs.jced.5b00139>
- Synthesis, Equilibrium and Thermodynamic Properties of the New Solid-Phase Compound: CsBr + ErBr<sub>3</sub> + H<sub>2</sub>O and CsBr + ErBr<sub>3</sub> + HBr (~12.3%) + H<sub>2</sub>O at 298.15 K and Atmospheric Pressure and Thermodynamic and Fluorescent Properties of the New Solid-Phase Compound: <https://www.doi.org/10.1021/acs.jced.5b00139>

# Legend

**pvap:** Vapor pressure

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