# ammonium bromide

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|---|---|
| **Other names:** | hydrobromic acid monoammoniate |
| **Inchi:** | InChI=1S/BrH.H3N/h1H;1H3 |
| **InchiKey:** | SWLVFNYSXGMGBS-UHFFFAOYSA-N |
| **Formula:** | BrH4N |
| **SMILES:** | [Br-].[NH4+] |
| **Mol. weight [g/mol]:** | 97.94 |
| **CAS:** | 12124-97-9 |

# Correlations

| Information | Value |
|---|---|
| Property code | pvap |
| Equation | ln(Pvp) = A + B/(T + C) |
| Coeff. A | 2.04161e+01 |
| Coeff. B | -1.05662e+04 |
| Coeff. C | -3.00000e-01 |
| Temperature range (K), min. | 471.45 |
| Temperature range (K), max. | 669.15 |

# Sources

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|---|---|
| **Experimental study of the excess molar volume of ternary mixtures containing water + (1,2-propanediol, or 1,3-propanediol, or 1,2-butanediol, or 1,3-butanediol, or 2,3-butanediol) + electrolytes at a temperature of (298.15 K and atmospheric pressure:** | https://www.doi.org/10.1016/j.jct.2009.11.018 |
| **Salting-in and salting-out effects of organic and inorganic ammonium salts in aqueous solutions at different temperatures and atmospheric pressure:** | https://www.doi.org/10.1016/j.jct.2018.03.030 |
| **Measurement and Correlation of Isothermal Vapor−Liquid Equilibrium Data for the Ternary System Methanol + Water + Ammonium Bromide:** | https://www.doi.org/10.1021/je0503002 |
| **Salting-out Effect of Polyhydroxy Solutes in Aqueous Solutions at Different Temperatures and Atmospheric Pressure:** | https://www.doi.org/10.1021/je500886a |
| **Liquid Densities of Ammonium Bromide + Ammonia Mixtures and Atmospheric Pressure:** | https://www.doi.org/10.1021/je900359y |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C12124979&Units=SI |
| **The Yaws Handbook of Vapor Pressure:** | https://www.sciencedirect.com/book/9780128029992/the-yaws-handbook-of-vapor-pressure |

# Legend

**pvap:** Vapor pressure

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