

# Ethylamine hydrobromide

|                      |                                          |
|----------------------|------------------------------------------|
| Other names:         | ethylammonium bromide                    |
| Inchi:               | InChI=1S/C2H7N.BrH/c1-2-3;/h2-3H2,1H3;1H |
| InchiKey:            | PNZDZRMOBIIQTC-UHFFFAOYSA-N              |
| Formula:             | C2H8BrN                                  |
| SMILES:              | Br.CCN                                   |
| Mol. weight [g/mol]: | 126.00                                   |
| CAS:                 | 593-55-5                                 |

## Physical Properties

| Property code | Value         | Unit | Source       |
|---------------|---------------|------|--------------|
| tf            | 437.80 ± 2.00 | K    | NIST Webbook |

## Temperature Dependent Properties

| Property code | Value  | Unit    | Temperature [K] | Source       |
|---------------|--------|---------|-----------------|--------------|
| cps           | 106.60 | J/mol×K | 300.00          | NIST Webbook |
| hfust         | 12.10  | kJ/mol  | 369.90          | NIST Webbook |
| hfust         | 8.50   | kJ/mol  | 439.50          | NIST Webbook |
| sfust         | 32.60  | J/mol×K | 369.90          | NIST Webbook |
| sfust         | 19.40  | J/mol×K | 439.50          | NIST Webbook |

## Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C593555&Units=SI>

## Legend

cps: Solid phase heat capacity

**hfust:** Enthalpy of fusion at a given temperature  
**sfust:** Entropy of fusion at a given temperature  
**tf:** Normal melting (fusion) point

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