# Quinoxaline, 2,3-bis(bromomethyl)-

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|---|---|
| **Other names:** | 2,3-Bis(bromomethyl)-1,4-benzodiazine |
| | 2,3-Bis(bromomethyl)quinoxaline |
| **Inchi:** | InChI=1S/C10H8Br2N2/c11-5-9-10(6-12)14-8-4-2-1-3-7(8)13-9/h1-4H,5-6H2 |
| **InchiKey:** | LHKFFORGJVELPC-UHFFFAOYSA-N |
| **Formula:** | C10H8Br2N2 |
| **SMILES:** | BrCc1nc2ccccc2nc1CBr |
| **Mol. weight [g/mol]:** | 315.99 |
| **CAS:** | 3138-86-1 |

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hsub | 114.00 ± 2.00 | kJ/mol | NIST Webbook |
| log10ws | -5.43 | | Crippen Method |
| logp | 3.420 | | Crippen Method |
| mcvol | 163.500 | ml/mol | McGowan Method |

## Temperature Dependent Properties

| Property code | Value | Unit | Temperature [K] | Source |
|---|---|---|---|---|
| hfust | 32.43 | kJ/mol | 423.60 | NIST Webbook |
| hsubt | 111.70 ± 0.50 | kJ/mol | 358.00 | NIST Webbook |

## Sources

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C3138861&Units=SI |

# Legend

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|---|---|
| **hfust:** | Enthalpy of fusion at a given temperature |
| **hsub:** | Enthalpy of sublimation at standard conditions |
| **hsubt:** | Enthalpy of sublimation at a given temperature |
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |