# Tribromomethyl radical

**Inchi:** InChI=1S/CBr3/c2-1(3)4
**InchiKey:** ROWMQJJMCWDJDT-UHFFFAOYSA-N
**Formula:** CBr3
**SMILES:** Br[C](Br)Br
**Mol. weight [g/mol]:** 251.72
**CAS:** 4471-18-5

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| ea | 1.73 ± 0.18 | eV | NIST Webbook |
| ea | 2.57 ± 0.12 | eV | NIST Webbook |
| hfpi | 967.00 | kJ/mol | NIST Webbook |
| ie | 7.50 ± 0.20 | eV | NIST Webbook |
| log10ws | -2.63 | | Crippen Method |
| logp | 2.618 | | Crippen Method |
| mcvol | 75.300 | ml/mol | McGowan Method |

## Sources

**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C4471185&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

**ea:** Electron affinity
**hfpi:** Enthalpy of formation of positive ion at standard conditions
**ie:** Ionization energy
**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume