# Bis(2-bromoethyl) 2-bromoethylphosphonate

**Inchi:** InChI=1S/C6H12Br3O3P/c7-1-4-11-13(10,6-3-9)12-5-2-8/h1-6H2
**InchiKey:** KKGVBGGAVZGMKA-UHFFFAOYSA-N
**Formula:** C6H12Br3O3P
**SMILES:** O=P(CCBr)(OCCBr)OCCBr
**Mol. weight [g/mol]:** 402.84
**CAS:** 78-45-5

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.08 | | Crippen Method |
| logp | 3.397 | | Crippen Method |
| mcvol | 185.970 | ml/mol | McGowan Method |

## Sources

**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=C78455&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## Legend

**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**mcvol:** McGowan's characteristic volume