# 6,1 1-Benzo[b]phenazine- quinone

**Other names:** Benzo[b]phenazine-6,11-dione
**Inchi:** InChI=1S/C16H8N2O2/c19-15-9-5-1-2-6-10(9)16(20)14-13(15)17-11-7-3-4-8-12(11)18-14
**InchiKey:** QDORCAFTCNTEPU-UHFFFAOYSA-N
**Formula:** C16H8N2O2
**SMILES:** O=C1c2ccccc2C(=O)c2nc3ccccc3nc21
**Mol. weight [g/mol]:** 260.25
**CAS:** 97594-66-6

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -4.97 | | Crippen Method |
| logp | 2.405 | | Crippen Method |
| mcvol | 181.560 | 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=C97594666&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

## Legend

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