# Dibenzo[a,e]cyclooctene,5,6-didehydro-

**Inchi:** InChI=1S/C16H10/c1-2-6-14-11-12-16-8-4-3-7-15(16)10-9-13(14)5-1/h1-10H
**InchiKey:** GVOYLOQRZIUYOL-UHFFFAOYSA-N
**Formula:** C16H10
**SMILES:** C1#Cc2ccccc2C=Cc2ccccc21
**Mol. weight [g/mol]:** 202.25
**CAS:** 53397-66-3

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| ie | 7.56 | eV | NIST Webbook |
| log10ws | -4.74 | | Crippen Method |
| logp | 3.570 | | Crippen Method |
| mcvol | 165.020 | ml/mol | McGowan Method |

## Sources

**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=C53397663&Units=SI

## Legend

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

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