# N-(2,3-dichlorophenyl)-n-[(e)-(3-nitrophenyl)methy

**Inchi:** InChI=1S/C13H8Cl2N2O2/c14-11-5-2-6-12(13(11)15)16-8-9-3-1-4-10(7-9)17(18)19/h1-8
**InchiKey:** XTJVPSSTGZWXLC-LZYBPNLTSA-N
**Formula:** C13H8Cl2N2O2
**SMILES:** O=[N+]([O-])c1cccc(C=Nc2cccc(Cl)c2Cl)c1
**Mol. weight [g/mol]:** 295.12
**CAS:** 116465-42-0

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | 166.98 | kJ/mol | Joback Method |
| hvap | 79.74 | kJ/mol | Joback Method |
| log10ws | -5.36 | | Crippen Method |
| logp | 4.652 | | Crippen Method |
| mcvol | 194.090 | ml/mol | McGowan Method |
| pc | 2460.47 | kPa | Joback Method |
| tb | 868.52 | K | Joback Method |
| tc | 1151.80 | K | Joback Method |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C116465420&Units=SI
**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**Joback Method:** https://en.wikipedia.org/wiki/Joback_method
**McGowan Method:** http://link.springer.com/article/10.1007/BF02311772

## Legend

**hf:** Enthalpy of formation at standard conditions
**hvap:** Enthalpy of vaporization at standard conditions
**log10ws:** Log10 of Water solubility in mol/l

| | |
|---|---|
| **logp:** | Octanol/Water partition coefficient |
| **mcvol:** | McGowan's characteristic volume |
| **pc:** | Critical Pressure |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |