# N-nitroso-n-(t-octyl)glycine

**Inchi:** InChI=1S/C10H20N2O3/c1-10(2,3)6-4-5-7-12(11-15)8-9(13)14/h4-8H2,1-3H3,(H,13,14)
**InchiKey:** ASJJMNCHPHLBPL-UHFFFAOYSA-N
**Formula:** C10H20N2O3
**SMILES:** CC(C)(C)CCCCN(CC(=O)O)N=O
**Mol. weight [g/mol]:** 216.28
**CAS:** 116435-37-1

## Physical Properties

| Property code | Value | Unit | Source |
|:---:|:---:|:---:|:---:|
| hf | -623.95 | kJ/mol | Joback Method |
| hvap | 71.12 | kJ/mol | Joback Method |
| log10ws | -2.62 | | Crippen Method |
| logp | 2.271 | | Crippen Method |
| mcvol | 180.730 | ml/mol | McGowan Method |
| pc | 2441.06 | kPa | Joback Method |
| tb | 646.86 | K | Joback Method |
| tc | 821.06 | K | Joback Method |

## Sources

| | |
|---|---|
| **Joback Method:** | https://en.wikipedia.org/wiki/Joback_method |
| **McGowan Method:** | http://link.springer.com/article/10.1007/BF02311772 |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C116435371&Units=SI |
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |

## 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

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