# (2E,4E,14E)-N-Isobutylicosa-2,4,14-trienamide

**Inchi:** InChI=1S/C24H43NO/c1-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-24(26)25-22
**InchiKey:** GQCWFFNZERNJJC-DIIODVDPSA-N
**Formula:** C24H43NO
**SMILES:** CCCCCC=CCCCCCCCCC=CC=CC(O)=NCC(C)C
**Mol. weight [g/mol]:** 361.60
**CAS:** 943546-21-2

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| hf | -272.11 | kJ/mol | Joback Method |
| hvap | 88.58 | kJ/mol | Joback Method |
| log10ws | -8.17 | | Crippen Method |
| logp | 7.969 | | Crippen Method |
| mcvol | 347.670 | ml/mol | McGowan Method |
| pc | 882.62 | kPa | Joback Method |
| rinpol | 2985.00 | | NIST Webbook |
| rinpol | 2985.00 | | NIST Webbook |
| tb | 929.30 | K | Joback Method |
| tc | 1137.88 | K | Joback Method |

## Sources

**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
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=C943546212&Units=SI

## 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 |
| **rinpol:** | Non-polar retention indices |
| **tb:** | Normal Boiling Point Temperature |
| **tc:** | Critical Temperature |