

# Ethyl

# (6S,7R)-8-azido-7-tert-butyl dimethylsilyloxy-6-hydroxyoct-2-enoate

**Inchi:** InChI=1S/C16H31N3O4Si/c1-7-22-15(21)11-9-8-10-13(20)14(12-18-19-17)23-24(5,6)16  
**InchiKey:** VGQFDDYPZTVVJO-PKNCBQFBNSA-N  
**Formula:** C16H31N3O4Si  
**SMILES:** CCOC(=O)C=CCCC(O)C(CN=[N+]=[N-])O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 357.52

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -6.95   |      | Crippen Method |
| logp          | 3.948   |      | Crippen Method |
| rinpol        | 1864.00 |      | NIST Webbook   |
| rinpol        | 1864.00 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R500437&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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