

# 6-Azido-5-tert-butyltrimethylsilyloxy-2,3,6-trideoxy-D-erythro-hexofuranose

**Inchi:** InChI=1S/C12H23N3O3Si/c1-12(2,3)19(4,5)18-10(8-14-15-13)9-6-7-11(16)17-9/h9-10H,1-8H3  
**InchiKey:** WTAJFMGEZKMVBN-UHFFFAOYSA-N  
**Formula:** C<sub>12</sub>H<sub>23</sub>N<sub>3</sub>O<sub>3</sub>Si  
**SMILES:** CC(C)(C)[Si](C)(C)OC(CN=[N+]=[N-])C1CCC(=O)O1  
**Mol. weight [g/mol]:** 285.41

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.05		Crippen Method
logp	3.393		Crippen Method
rinpol	1766.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R500373&Units=SI>

## Legend

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

Latest version available from:

<https://www.cheméo.com/cid/42-425-3/6-Azido-5-tert-butyltrimethylsilyloxy-2-3-6-trideoxy-D-erythro-hexofuranose.pdf>

Generated by Cheméo on 2024-04-19 19:10:47.389247037 +0000 UTC m=+15843096.309824362.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.