

# L-Glutamine, N,N2-bis(tert-butyl dimethylsilyl)-, tert-butyl dimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl 2,5-bis((tert-butyl(dimethyl)silyl)amino)-5-oxopentanoate,  
Glutamine triTBDMS

L-glutamine, 3tdms derivative

**Inchi:** InChI=1S/C23H52N2O3Si3/c1-21(2,3)29(10,11)24-18(20(27)28-31(14,15)23(7,8)9)16-17

**InchiKey:** SCHQVORKBCRFQF-GOSISDBHSA-N

**Formula:** C23H52N2O3Si3

**SMILES:** CC(C)(C)[Si](C)(C)NC(=O)CCC(N[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 488.93

**CAS:** 96381-42-9

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -0.73   |      | Crippen Method |
| logp          | 6.400   |      | Crippen Method |
| rinpol        | 2431.00 |      | NIST Webbook   |
| rinpol        | 2406.20 |      | 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=C96381429&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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