

# PGF 1A, TMS

**Inchi:** InChI=1S/C32H68O5Si4/c1-14-15-18-21-27(34-38(2,3)4)24-25-29-28(22-19-16-17-20-23  
**InchiKey:** FKCQXUAYSIAIKMH-RYPWDAMISA-N  
**Formula:** C32H68O5Si4  
**SMILES:** CCCCCC(C=CC1C(O[Si](C)(C)C)CC(O[Si](C)(C)C)C1CCCCCCC(=O)O[Si](C)(C)C)O[Si]  
**Mol. weight [g/mol]:** 645.22

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -1.15   |      | Crippen Method |
| logp          | 10.138  |      | Crippen Method |
| rinpol        | 2739.00 |      | NIST Webbook   |
| rinpol        | 2739.00 |      | NIST Webbook   |

## Sources

**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=R581956&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## 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.chemeo.com/cid/117-373-8/PGF-1A-TMS.pdf>

Generated by Cheméo on 2024-05-03 02:57:24.446295396 +0000 UTC m=+16994293.366872712.

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