# xanthosine, TMS

**Inchi:** InChI=1S/C25H52N4O6Si5/c1-36(2,3)30-16-18-20(32-37(4,5)6)21(33-38(7,8)9)24(31-18
**InchiKey:** DHJTZDSBGMGLIM-UHFFFAOYSA-N
**Formula:** C25H52N4O6Si5
**SMILES:** C[Si](C)(C)OCC1OC(n2cnc3c(O[Si](C)(C)C)nc(O[Si](C)(C)C)nc32)C(O[Si](C)(C)C)C1O[S
**Mol. weight [g/mol]:** 645.13

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 2.94 | | Crippen Method |
| logp | 6.443 | | Crippen Method |
| rinpol | 2705.00 | | NIST Webbook |
| rinpol | 2705.00 | | NIST Webbook |

## Sources

**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l
**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=R207262&Units=SI

## Legend

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