

# Mordant Orange 1, O,O'-di(tert.-butyldimethylsilyl)-

**Inchi:** InChI=1S/C25H37N3O5Si2/c1-24(2,3)34(7,8)32-22-16-13-19(27-26-18-11-14-20(15-12-10-9)31)23  
**InchiKey:** CKDXCYJUSNKJHI-UHFFFAOYSA-N  
**Formula:** C25H37N3O5Si2  
**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)c1cc(N=Nc2ccc([N+](=O)[O-])cc2)ccc1O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 515.75

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.81		Crippen Method
logp	8.556		Crippen Method
rinsol	3384.00		NIST Webbook
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## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U375017&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)

## Legend

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

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