

# 1,8-Dihydroxy-3-methylanthraquinone, O,O'-bis(trimethylsilyl-)

**Other names:** 3-Methyl-1,8-bis[(trimethylsilyl)oxy]anthra-9,10-quinone

Anthraquinone, 1,8-dihydroxy-3-methyl, bis-TMS

Chrysophanol, bis-TMS

Chrysophanol, TMS

Anthraquinone, 1,8-dihydroxy-3-methyl, TMS

Chrysophanol, 2tms derivative

**Inchi:** InChI=1S/C21H26O4Si2/c1-13-11-15-19(17(12-13)25-27(5,6)7)21(23)18-14(20(15)22)9-

**InchiKey:** BJOOPYSIRYXVDH-UHFFFAOYSA-N

**Formula:** C21H26O4Si2

**SMILES:** Cc1cc(O[Si](C)(C)C)c2c(c1)C(=O)c1cccc(O[Si](C)(C)C)c1C2=O

**Mol. weight [g/mol]:** 398.60

**CAS:** 7336-72-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.12		Crippen Method
logp	5.198		Crippen Method
rinpol	2612.00		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=C7336723&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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