

# 2,5-Furandicarboxylic acid, bis(trimethylsilyl) ester

**Other names:**

2,5-Furandedicarboxylic acid, bis-TMS ester

Furan-2,5-dicarboxylic acid, di-TMS

2,5-Furandicarboxylic acid, di-TMS

3,5-Furandedicarboxylic acid, TMS

Furan-2,5-dicarboxylic acid, TMS

2,5-Furandicarboxylic acid, 2tms derivative

**Inchi:**

InChI=1S/C12H20O5Si2/c1-18(2,3)16-11(13)9-7-8-10(15-9)12(14)17-19(4,5)6/h7-8H,1-6

**InchiKey:**

LKRIBXGMWFBGRX-UHFFFAOYSA-N

**Formula:**

C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>Si<sub>2</sub>

**SMILES:**

C[Si](C)(C)OC(=O)c1ccc(C(=O)O[Si](C)(C)C)o1

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

300.46

**CAS:**

55494-09-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.47		Crippen Method
logp	3.263		Crippen Method
rinpol	1655.00		NIST Webbook
rinpol	1626.00		NIST Webbook
rinpol	1626.00		NIST Webbook
rinpol	1637.00		NIST Webbook
rinpol	1637.00		NIST Webbook
rinpol	1654.00		NIST Webbook

## Sources

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C55494092&Units=SI>

**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)

# Legend

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

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