

Heptacosasiloxane, tetrapentacontamethyl

Inchi:	InChI=1S/C54H162O27Si27/c1-82(2)55-83(3,4)57-85(7,8)59-87(11,12)61-89(15,16)63-9
InchiKey:	XQXFWGNPXQCDAY-UHFFFAOYSA-N
Formula:	C ₅₄ H ₁₆₂ O ₂₇ Si ₂₇
SMILES:	C[Si]1(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)
Mol. weight [g/mol]:	2002.16

Physical Properties

Property code	Value	Unit	Source
log10ws	39.23		Crippen Method
logp	19.397		Crippen Method

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R55515&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

Latest version available from:

<https://www.chemeo.com/cid/71-050-7/Heptacosasiloxane-tetrapentacontamethyl.pdf>

Generated by Cheméo on 2025-12-05 15:01:47.24721103 +0000 UTC m=+4695104.777251684.

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