

«alpha»,«alpha»-trehalose, TMS

Inchi: InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-27-29(42-50(7,8)9)31(44-52(13,14)15)33(46-5
InchiKey: YQFZNYCPHIXROS-FSZCTWQYSA-N
Formula: C36H86O11Si8
SMILES: C[Si](C)(C)OCC1OC(OC2OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C
Mol. weight [g/mol]: 919.75

Physical Properties

Property code	Value	Unit	Source
logp	9.476		Crippen Method
rinpol	2850.10		NIST Webbook
rinpol	2816.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R488812&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):

Legend

logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/55-258-5/alpha-alpha-trehalose-TMS.pdf>

Generated by Cheméo on 2026-07-24 00:03:17.413605036 +0000 UTC m=+362493.255490459.

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