

Silane, dimethyl(4-cyanophenoxy)octadecyloxy-

Inchi: InChI=1S/C27H47NO2Si/c1-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-24-29-31(2,3)3
InchiKey: GLRYFPOCEORGW-UHFFFAOYSA-N
Formula: C27H47NO2Si
SMILES: CCCCCCCCCCCCCCCCCO[Si](C)(C)Oc1ccc(C#N)cc1
Mol. weight [g/mol]: 445.75

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.62		Crippen Method
logp	8.917		Crippen Method
rinpol	3115.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U347104&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: 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

Latest version available from:

<https://www.chemeo.com/cid/54-461-0/Silane-dimethyl-4-cyanophenoxy-octadecyloxy.pdf>

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