

1-Trimethylsilyl-1,4-pentadiyne

Inchi: InChI=1S/C8H12Si/c1-5-6-7-8-9(2,3)4/h1H,6H2,2-4H3
InchiKey: JKYMNPFNLMDSEFG-UHFFFAOYSA-N
Formula: C8H12Si
SMILES: C#CCC#C[Si](C)(C)C
Mol. weight [g/mol]: 136.27
CAS: 71789-10-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.32		Crippen Method
logp	1.890		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	315.00	K	3.30	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C71789101&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
tbrp: Boiling point at reduced pressure

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