Butane, 2-azido-2,3,3-trimethyl-

Other names: 2-Azido-2,3,3-trimethylbutane
Inchi: InChI=1S/C7H15N3/c1-6(2,3)7(4,5)9-10-8/h1-5H3
InchiKey: YMELIJLHJQVPSW-UHFFFAOYSA-N
Formula: C7H15N3
SMILES: CC(C)(C)C(C)(C)N=[N+]=[N-]
Mol. weight [g/mol]: 141.21
CAS: 51677-41-9

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.71		Crippen Method
logp	3.121		Crippen Method
mcvol	130.830	ml/mol	McGowan Method
ripol	1568.00		NIST Webbook

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C51677419&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
ripol: Polar retention indices