

Tribromosilyl radical

Inchi: InChI=1S/Br3Si/c1-4(2)3
InchiKey: KRCZLPQTJDWPKN-UHFFFAOYSA-N
Formula: Br3Si
SMILES: Br[Si](Br)Br
Mol. weight [g/mol]: 267.80
CAS: 13842-48-3

Physical Properties

Property code	Value	Unit	Source
ea	1.50 ± 0.20	eV	NIST Webbook
ie	7.60 ± 0.40	eV	NIST Webbook
ie	13.00 ± 1.00	eV	NIST Webbook
log10ws	-0.37		Crippen Method
logp	2.156		Crippen Method

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C13842483&Units=SI>

Legend

ea: Electron affinity
ie: Ionization energy
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.cheméo.com/cid/71-207-3/Tribromosilyl-radical.pdf>

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