Phenyl silyl radical

Inchi: InChI=1S/C6H7Si/c7-6-4-2-1-3-5-6/h1-5H,7H2
InchiKey: JAZKZOWBOMBYIX-UHFFFAOYSA-N
Formula: C6H7Si
SMILES: [SiH2]c1ccccc1
Mol. weight [g/mol]: 107.21
CAS: 72975-30-5

Physical Properties

Property code	Value	Unit	Source
ea	1.44 ± 0.00	eV	NIST Webbook
ea	1.35 ± 0.22	eV	NIST Webbook
ie	6.89	eV	NIST Webbook
log10ws	-2.48		Crippen Method
logp	-0.055		Crippen Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C72975305&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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