Benzene, 1,1'-[selenobis(methylene)]bis-

Other names: Benzene, 1,1'-[selenobis(methylene)]bis-
Benzyl selenide
Dibenzyl selenide
Inchi: InChI=1S/C14H14Se/c1-3-7-13(8-4-1)11-15-12-14-9-5-2-6-10-14/h1-10H,11-12H2
InchiKey: DWZCRWXJKIEWDY-UHFFFAOYSA-N
Formula: C14H14Se
SMILES: c1ccc(C[Se]Cc2ccccc2)cc1
Mol. weight [g/mol]: 261.23

Physical Properties

Property code	Value	Unit	Source
af	0.4703		Cheméo Relay (1.0)
gf	244.17	kJ/mol	Cheméo Relay (1.0, beta)
hf	168.91	kJ/mol	Cheméo Relay (1.0)
hvap	85.95	kJ/mol	Cheméo Relay (1.0)
ie	7.80	eV	NIST Webbook
ie	8.00	eV	NIST Webbook
ie	7.96	eV	NIST Webbook
log10ws	-3.62		Cheméo Relay (1.0)
logp	3.091		Crippen Method
pc	2658.03	kPa	Cheméo Relay (1.0, beta)
tb	567.59	K	Cheméo Relay (1.0)
tc	856.91	K	Cheméo Relay (1.0)
tf	301.71	K	Cheméo Relay (1.0)
vc	0.650	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C1842382&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

af:	Acentric Factor
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume