Benzene, 1,1'-(diazomethylene)bis-

Other names:	Methane, diazodiphenyl- Diazodiphenylmethane Diphenyldiazomethane 1,1-Diphenyldiazomethane
Inchi:	InChI=1S/C13H10N2/c14-15-13(11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H
InchiKey:	ITLHXEGAYQFOHJ-UHFFFAOYSA-N
Formula:	C13H10N2
SMILES:	[N-]=[N+]=C(c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	194.23
CAS:	883-40-9

Physical Properties

Property code	Value	Unit	Source
ie	7.90	eV	NIST Webbook
ie	8.31	eV	NIST Webbook
log10ws	-5.31		Crippen Method
logp	2.754		Crippen Method
mcvol	157.870	ml/mol	McGowan Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C883409&Units=SI

Legend

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

mcvol: McGowan's characteristic volume