

e-(Phenylazo)propane

Inchi:	InChI=1S/C9H12N2/c1-2-8-10-11-9-6-4-3-5-7-9/h3-7H,2,8H2,1H3/b11-10-
InchiKey:	JGHVTEUPGALIRE-KHPPLWFESA-N
Formula:	C9H12N2
SMILES:	CCCN=Nc1ccccc1
Mol. weight [g/mol]:	148.21
CAS:	28053-14-7

Physical Properties

Property code	Value	Unit	Source
hf	54.66	kJ/mol	Joback Method
hvap	44.57	kJ/mol	Joback Method
log10ws	-2.55		Crippen Method
logp	3.180		Crippen Method
mcvol	129.570	ml/mol	McGowan Method
pc	2467.81	kPa	Joback Method
tb	581.20	K	Joback Method
tc	816.71	K	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C28053147&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I

Legend

hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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