Diphenylmethyleneimine, N-acetyl-

Inchi: InChI=1S/C15H13NO/c1-12(17)16-15(13-8-4-2-5-9-13)14-10-6-3-7-11-14/h2-11H,1H3
InchiKey: FJGBQFFOIFIUHS-UHFFFAOYSA-N
Formula: C15H13NO
SMILES: CC(=O)N=C(c1ccccc1)c1ccccc1
Mol. weight [g/mol]: 223.27
CAS: 22800-71-1

Physical Properties

Property code	Value	Unit	Source
hf	79.98	kJ/mol	Joback Method
hvap	63.68	kJ/mol	Joback Method
log10ws	-3.45		Crippen Method
logp	3.071		Crippen Method
mcvol	181.940	ml/mol	McGowan Method
pc	2419.50	kPa	Joback Method
tb	726.39	K	Joback Method
tc	985.68	K	Joback Method

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=C22800711&Units=SI

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