

Dibenzyl ketoxime

Other names:	2-Propanone, 1,3-diphenyl-, oxime 1,3-diphenylacetone oxime
Inchi:	InChI=1S/C15H15NO/c17-16-15(11-13-7-3-1-4-8-13)12-14-9-5-2-6-10-14/h1-10,17H,11-
InchiKey:	SXEBLVKLMOIGER-UHFFFAOYSA-N
Formula:	C15H15NO
SMILES:	ON=C(Cc1ccccc1)Cc1ccccc1
Mol. weight [g/mol]:	225.29
CAS:	1788-31-4

Physical Properties

Property code	Value	Unit	Source
hf	40.33	kJ/mol	Joback Method
hvap	73.61	kJ/mol	Joback Method
log10ws	-3.13		Crippen Method
logp	3.302		Crippen Method
mcvol	186.240	ml/mol	McGowan Method
pc	2490.03	kPa	Joback Method
tb	764.70	K	Joback Method
tc	996.79	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=C1788314&Units=SI

Legend

hf: Enthalpy of formation at standard conditions

h_{vap}:	Enthalpy of vaporization at standard conditions
log₁₀w_s:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mc_{vol}:	McGowan's characteristic volume
p_c:	Critical Pressure
t_b:	Normal Boiling Point Temperature
t_c:	Critical Temperature

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