Acetamide, N-(2-iodo-4-methylphenyl)-2-phenyl-

Inchi: InChI=1S/C15H14INO/c1-11-7-8-14(13(16)9-11)17-15(18)10-12-5-3-2-4-6-12/h2-9H,10H

InchiKey: ZPQAQSTUVKQDFQ-UHFFFAOYSA-N

Formula: C15H14INO

SMILES: Cc1ccc(N=C(O)Cc2ccccc2)c(I)c1

Mol. weight [g/mol]: 351.18

Physical Properties

Property code	Value	Unit	Source
hf	94.26	kJ/mol	Joback Method
hvap	84.31	kJ/mol	Joback Method
log10ws	-5.10		Crippen Method
logp	4.430		Crippen Method
mcvol	212.060	ml/mol	McGowan Method
pc	2365.67	kPa	Joback Method
rinpol	2474.00		NIST Webbook
rinpol	2474.00		NIST Webbook
tb	867.80	K	Joback Method
tc	1122.21	K	Joback Method

Sources

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U307148&Units=SI

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

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

Latest version available from:
https://www.chemeo.com/cid/93-524-7/Acetamide-N-2-iodo-4-methylphenyl-2-phenyl.pdf
Generated by Cheméo on 2024-04-19 19:06:14.369421598 +0000 UTC m=+15842823.289998913.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.