

Acetamide, N-(2,4-dimethylphenyl)-

Other names:	2',4'-Acetoxylidide
	2,4-Dimethylacetanilide
	2',4'-Acetoxylidine
	2',4'-Dimethylacetanilide
	N-Acetyl-2,4-xylidine
	Acetanilide, 2',4'-dimethyl-
	N-(2,4-Dimethylphenyl)acetamide
	NSC 37567
Inchi:	2,4-DMA
	InChI=1S/C10H13NO/c1-7-4-5-10(8(2)6-7)11-9(3)12/h4-6H,1-3H3,(H,11,12)
	PJEIIBXJUDOMAN-UHFFFAOYSA-N
	Formula: C10H13NO
	SMILES: CC(O)=Nc1ccc(C)cc1C
	Mol. weight [g/mol]: 163.22
	CAS: 2050-43-3

Physical Properties

Property code	Value	Unit	Source
hf	-115.94	kJ/mol	Joback Method
hvap	61.53	kJ/mol	Joback Method
log10ws	-2.81		Crippen Method
logp	2.911		Crippen Method
mcvol	139.550	ml/mol	McGowan Method
pc	2814.34	kPa	Joback Method
tb	633.58	K	Joback Method
tc	846.49	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=C2050433&Units=SI

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	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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