Butanamide, N-(2-methylphenyl)-3-oxo-

Other names:	o-Acetoacetotoluidide
	Acetoacetyl-2-methylanilide
	2-Acetoacetylaminotoluene
	2'-Methylacetoacetanilide
	ortho-Acetoacetotoluidide
	Acetoacet-o-toluidide
	2-Acetoacetotoluidide
	N-Acetoacetyl-o-toluidine
	Acetoacet-o-toluidine
	Acetoacet-ortho-toluidide
	NSC 7655
Inchi:	InChI=1S/C11H13NO2/c1-8-5-3-4-6-10(8)12-11(14)7-9(2)13/h3-6H,7H2,1-2H3,(H,12,14)
InchiKey:	TVZIWRMELPWPPR-UHFFFAOYSA-N
Formula:	C11H13NO2
SMILES:	CC(=O)CC(O)=Nc1ccccc1C
Mol. weight [g/mol]:	191.23
CAS:	93-68-5

Physical Properties

Property code	Value	Unit	Source
hf	-237.69	kJ/mol	Joback Method
hvap	69.84	kJ/mol	Joback Method
log10ws	-2.45		Crippen Method
logp	2.562		Crippen Method
mcvol	155.210	ml/mol	McGowan Method
pc	2761.36	kPa	Joback Method
tb	705.35	K	Joback Method
tc	920.44	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=C93685&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