2-Propanamine, 2-methyl-N-(phenylmethylene)-

Other names:	Ethylamine, N-benzylidene-1,1-dimethyl-
	Benzylidene-tert-butylamine
	N-tert-Butylbenzylideneamine
	N-tert-Butylbenzylimine
	N-Benzylidene-tert-butylamine
	N-Benzylidene-N-tert-butylamine
	N-Benzylidene-1,1-dimethylethylamine
	2-Methyl-N-benzylidene-2-propanamine
	2-Methyl-N-[phenylmethylidene]-2-propanamine
Inchi:	InChI=1S/C11H15N/c1-11(2,3)12-9-10-7-5-4-6-8-10/h4-9H,1-3H3
InchiKey:	KFLSWDVYGSSZRX-UHFFFAOYSA-N
Formula:	C11H15N
SMILES:	CC(C)(C)N=Cc1ccccc1
Mol. weight [g/mol]:	161.24
CAS:	6852-58-0

Physical Properties

Property code	Value	Unit	Source
hf	39.63	kJ/mol	Joback Method
hvap	44.37	kJ/mol	Joback Method
log10ws	-2.91		Crippen Method
logp	2.904		Crippen Method
mcvol	147.770	ml/mol	McGowan Method
pc	2429.05	kPa	Joback Method
tb	551.21	K	Joback Method
tc	785.94	K	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	367.00	K	2.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6852580&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature

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