Pyridine, 4-(phenylmethyl)-

Other names: Pyridine, 4-(phenylmethyl)-
«gamma»-Benzylpyridine
Ba 33216
4-Benzylpyridine
Inchi: InChI=1S/C12H11N/c1-2-4-11(5-3-1)10-12-6-8-13-9-7-12/h1-9H,10H2
InchiKey: DBOLXXRVIFGDTI-UHFFFAOYSA-N
Formula: C12H11N
SMILES: c1ccc(Cc2ccncc2)cc1
Mol. weight [g/mol]: 169.23

Physical Properties

Property code	Value	Unit	Source
af	0.4260		Cheméo Relay (1.0)
hf	244.98	kJ/mol	Cheméo Relay (1.0)
hvap	72.63	kJ/mol	Cheméo Relay (1.0)
ie	9.34	eV	Cheméo Relay (1.0)
log10ws	-1.80		Cheméo Relay (1.0)
logp	2.672		Crippen Method
mcvol	142.400	ml/mol	McGowan Method
pc	3630.19	kPa	Cheméo Relay (1.0, beta)
tb	564.77	K	Cheméo Relay (1.0)
tc	805.60	K	Cheméo Relay (1.0)
tf	290.09	K	Cheméo Relay (1.0)
vc	0.534	m3/kmol	Cheméo Relay (1.0)

Sources

Cheméo Relay (1.0):
Cheméo Relay (1.0, beta):
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2116656&Units=SI
McGowan Method: http://link.springer.com/article/10.1007/BF02311772
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

af:	Acentric Factor
hf:	Enthalpy of formation at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
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
tf:	Normal melting (fusion) point
vc:	Critical Volume