

(S)-LInalool, B-D-Glu, TFA

[illegible]

Physical Properties

Property code	Value	Unit	Source
gf	-3146.00	kJ/mol	Joback Method
hf	-3973.36	kJ/mol	Joback Method
hfus	71.85	kJ/mol	Joback Method
hvap	94.84	kJ/mol	Joback Method
log10ws	-6.91		Crippen Method
logp	4.947		Crippen Method
mcvol	392.300	ml/mol	McGowan Method
pc	755.99	kPa	Joback Method
rinpol	1799.00		NIST Webbook
tb	1079.73	K	Joback Method
tc	1353.82	K	Joback Method
tf	686.48	K	Joback Method
vc	1.567	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1394.39	J/mol×K	1079.73	Joback Method
cpg	1405.11	J/mol×K	1125.41	Joback Method
cpg	1413.75	J/mol×K	1171.09	Joback Method
cpg	1420.53	J/mol×K	1216.78	Joback Method
cpg	1425.64	J/mol×K	1262.46	Joback Method
cpg	1429.27	J/mol×K	1308.14	Joback Method
cpg	1431.63	J/mol×K	1353.82	Joback Method

Sources

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=R71121&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion 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
rinpola:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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