

trans-ethyl-2-butyl-diazene

Inchi:	InChI=1S/C6H14N2/c1-4-6(3)8-7-5-2/h6H,4-5H2,1-3H3
InchiKey:	QBJZOGBSHKWNPO-UHFFFAOYSA-N
Formula:	C6H14N2
SMILES:	CCN=NC(C)CC
Mol. weight [g/mol]:	114.19
CAS:	65444-36-2

Physical Properties

Property code	Value	Unit	Source
hf	-125.23	kJ/mol	Joback Method
hvap	35.23	kJ/mol	Joback Method
log10ws	-1.70		Crippen Method
logp	2.257		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	2384.19	kPa	Joback Method
rinpol	723.10		NIST Webbook
tb	485.44	K	Joback Method
tc	688.98	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=C65444362&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature

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