

Nortricyclan-3-ol, formate

Other names:	Nortricyclan-3-ol, formate
Inchi:	InChI=1S/C8H10O2/c9-3-10-8-4-1-5-6(2-4)7(5)8/h3-8H,1-2H2
InchiKey:	ZYRFBCPCNSLRCD-UHFFFAOYSA-N
Formula:	C8H10O2
SMILES:	O=COC1C2CC3C(C2)C31
Mol. weight [g/mol]:	138.17

Physical Properties

Property code	Value	Unit	Source
hfus	20.70	kJ/mol	Joback Method
logp	0.814		Crippen Method
mcvol	98.440	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	239.22	J/mol×K	455.86	Joback Method
cpg	253.44	J/mol×K	488.96	Joback Method
cpg	266.67	J/mol×K	522.06	Joback Method
cpg	278.97	J/mol×K	555.16	Joback Method
cpg	290.42	J/mol×K	588.26	Joback Method
cpg	301.08	J/mol×K	621.37	Joback Method
cpg	311.04	J/mol×K	654.47	Joback Method
dvisc	0.0006153	Pa×s	296.53	Joback Method
dvisc	0.0008326	Pa×s	323.08	Joback Method
dvisc	0.0010760	Pa×s	349.64	Joback Method
dvisc	0.0013412	Pa×s	376.19	Joback Method
dvisc	0.0016239	Pa×s	402.75	Joback Method
dvisc	0.0019202	Pa×s	429.31	Joback Method
dvisc	0.0022266	Pa×s	455.86	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	343.50 ± 0.50	K	2.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C21892955&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tbrp:	Boiling point at reduced pressure

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