Hydrazinecarboximidamide

Other names:	Hydrazinecarboximidamide
	Guanidine, amino-
	Aminate base
	Guanyl hydrazine
Inchi:	InChI=1S/CH6N4/c2-1(3)5-4/h4H2,(H4,2,3,5)
InchiKey:	HAMNKKUPIHEESI-UHFFFAOYSA-N
Formula:	CH6N4
SMILES:	N=C(N)NN
Mol. weight [g/mol]:	74.09

Physical Properties

Property code	Value	Unit	Source
hf	99.26	kJ/mol	Cheméo Relay (1.0)
ie	8.43	eV	Cheméo Relay (1.0)
logp	-1.657		Crippen Method
mcvol	60.570	ml/mol	McGowan Method
tf	446.04	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	133.83	J/mol×K	501.85	Joback Method
cpg	30.24	J/mol×K	100.12	Joback Method
cpg	30.24	J/mol×K	100.12	Joback Method
cpg	30.24	J/mol×K	100.12	Joback Method
cpg	30.24	J/mol×K	100.12	Joback Method
cpg	30.24	J/mol×K	100.12	Joback Method
cpg	30.24	J/mol×K	100.12	Joback Method

Sources

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=C79174&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

cpg:	Ideal gas heat capacity
hf:	Enthalpy of formation at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point