1,3-Propanediol, 2-amino-

Other names:	1,3-dihydroxy-2-propylamine
	1,3-dihydroxyisopropylamine
	2-amino-1,3-propanediol
	2-aminopropane-1,3-diol
	Serinol
Inchi:	InChI=1S/C3H9NO2/c4-3(1-5)2-6/h3,5-6H,1-2,4H2
InchiKey:	KJJPLEZQSCZCKE-UHFFFAOYSA-N
Formula:	C3H9NO2
SMILES:	NC(CO)CO
Mol. weight [g/mol]:	91.11

Physical Properties

Property code	Value	Unit	Source
hfus	13.38	kJ/mol	Joback Method
logp	-1.702		Crippen Method
mcvol	74.850	ml/mol	McGowan Method
tb	555.12	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	178.24	J/mol×K	524.49	Joback Method
cpg	184.20	J/mol×K	553.42	Joback Method
cpg	189.90	J/mol×K	582.34	Joback Method
cpg	195.35	J/mol×K	611.27	Joback Method
cpg	200.55	J/mol×K	640.19	Joback Method
cpg	205.52	J/mol×K	669.12	Joback Method
cpg	210.26	J/mol×K	698.04	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C534032&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
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
Solubility of CO2 in and Density, Viscosity, and Surface Tension of Aqueous 2-Amino-1,3-propanediol (Serinol) Solutions:	https://www.doi.org/10.1021/je4008298

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature