3,5-Dimethoxy-4-hydroxybenzhydrazide

Other names: 4-hydroxy-3,5-dimethoxybenzoic acid
Inchi: InChI=1S/C9H12N2O4/c1-14-6-3-5(9(13)11-10)4-7(15-2)8(6)12/h3-4,12H,10H2,1-2H3,(H
InchiKey: AKZAAANGIPRVDU-UHFFFAOYSA-N
Formula: C9H12N2O4
SMILES: COc1cc(C(=O)NN)cc(OC)c1O
Mol. weight [g/mol]: 212.21

Physical Properties

Property code	Value	Unit	Source
hfus	32.38	kJ/mol	Joback Method
log10ws	-1.32		Cheméo Relay (1.0)
logp	0.013		Crippen Method
mcvol	153.050	ml/mol	McGowan Method
tb	611.94	K	Cheméo Relay (1.0)
tf	436.50	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	422.57	J/mol×K	743.99	Joback Method
cpg	432.91	J/mol×K	782.44	Joback Method
cpg	442.60	J/mol×K	820.89	Joback Method
cpg	451.69	J/mol×K	859.34	Joback Method
cpg	460.21	J/mol×K	897.79	Joback Method
cpg	468.19	J/mol×K	936.24	Joback Method
cpg	475.67	J/mol×K	974.69	Joback Method

Sources

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):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1443761&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point