

4-Methoxy-benzaldoxime

Other names:	p-Anisaldehyde, oxime p-Methoxybenzaldehyde oxime p-Methoxybenzaldoxime Anisaldoxime 4-Methoxybenzaldehyde oxime 4-Methoxybenzaldoxime 4-Methoxy-benzaldoxim
Inchi:	InChI=1S/C8H9NO2/c1-11-8-4-2-7(3-5-8)6-9-10/h2-6,10H,1H3
InchiKey:	FXOSHPAYNZBSFO-UHFFFAOYSA-N
Formula:	C8H9NO2
SMILES:	COc1ccc(C=NO)cc1
Mol. weight [g/mol]:	151.17

Physical Properties

Property code	Value	Unit	Source
hf	-58.42	kJ/mol	Cheméo Relay (1.0)
hvap	75.41	kJ/mol	Cheméo Relay (1.0)
ie	8.25	eV	Cheméo Relay (1.0)
log10ws	-1.55		Cheméo Relay (1.0)
logp	1.503		Crippen Method
mcvol	117.240	ml/mol	McGowan Method
tb	564.13	K	Cheméo Relay (1.0)
tc	768.14	K	Cheméo Relay (1.0)
tf	354.63	K	Cheméo Relay (1.0)

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=C3235049&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

hf:	Enthalpy of formation at standard conditions
h_{vap}:	Enthalpy of vaporization at standard conditions
ie:	Ionization energy
log₁₀ws:	Log10 of Water solubility in mol/l
log_p:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point

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