Cyclopropanecarboxylic acid, 4-methoxyphenyl ester

Inchi: InChI=1S/C11H12O3/c1-13-9-4-6-10(7-5-9)14-11(12)8-2-3-8/h4-8H,2-3H2,1H3

InchiKey: JUNVKRVSFQQOPN-UHFFFAOYSA-N

Formula: C11H12O3

SMILES: COc1ccc(OC(=O)C2CC2)cc1

Mol. weight [g/mol]: 192.21

Physical Properties

Property code	Value	Unit	Source
gf	-133.65	kJ/mol	Joback Method
hf	-349.53	kJ/mol	Joback Method
hfus	20.01	kJ/mol	Joback Method
hvap	54.50	kJ/mol	Joback Method
log10ws	-2.40		Crippen Method
logp	2.011		Crippen Method
mcvol	144.540	ml/mol	McGowan Method
pc	3089.85	kPa	Joback Method
rinpol	1536.00		NIST Webbook
tb	588.19	K	Joback Method
tc	811.44	K	Joback Method
tf	365.00	K	Joback Method
vc	0.542	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	356.08	J/mol×K	588.19	Joback Method
cpg	370.58	J/mol×K	625.40	Joback Method
cpg	384.16	J/mol×K	662.61	Joback Method
cpg	396.86	J/mol×K	699.81	Joback Method
cpg	408.72	J/mol×K	737.02	Joback Method
cpg	419.76	J/mol×K	774.23	Joback Method
cpg	430.01	J/mol×K	811.44	Joback Method
dvisc	0.0014390	Pa×s	365.00	Joback Method
dvisc	0.0010344	Pa×s	402.20	Joback Method

dvisc	0.0007863	Pa×s	439.40	Joback Method
dvisc	0.0006238	Pa×s	476.60	Joback Method
dvisc	0.0005118	Pa×s	513.79	Joback Method
dvisc	0.0004313	Pa×s	550.99	Joback Method
dvisc	0.0003714	Pa×s	588.19	Joback Method

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U307524&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
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
gf: Standard Gibbs free energy of formation
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
pc: Critical Pressure
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature
tc: Critical Temperature
tf: Normal melting (fusion) point
vc: Critical Volume