Cyclopropanecarboxylic acid, 3-ethylphenyl ester

Inchi: InChI=1S/C12H14O2/c1-2-9-4-3-5-11(8-9)14-12(13)10-6-7-10/h3-5,8,10H,2,6-7H2,1H3

InchiKey: GQXFHKNHQQKEMW-UHFFFAOYSA-N

Formula: C12H14O2

SMILES: CCc1cccc(OC(=O)C2CC2)c1

Mol. weight [g/mol]: 190.24

Physical Properties

Property code	Value	Unit	Source
gf	-20.23	kJ/mol	Joback Method
hf	-237.95	kJ/mol	Joback Method
hfus	21.41	kJ/mol	Joback Method
hvap	54.31	kJ/mol	Joback Method
log10ws	-3.08		Crippen Method
logp	2.564		Crippen Method
mcvol	152.760	ml/mol	McGowan Method
pc	2835.36	kPa	Joback Method
rinpol	1538.00		NIST Webbook
rinpol	1538.00		NIST Webbook
tb	588.65	K	Joback Method
tc	810.65	K	Joback Method
tf	354.04	K	Joback Method
vc	0.581	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	379.28	J/mol×K	588.65	Joback Method
cpg	394.83	J/mol×K	625.65	Joback Method
cpg	409.38	J/mol×K	662.65	Joback Method
cpg	422.97	J/mol×K	699.65	Joback Method
cpg	435.64	J/mol×K	736.65	Joback Method
cpg	447.46	J/mol×K	773.65	Joback Method
cpg	458.48	J/mol×K	810.65	Joback Method
dvisc	0.0017722	Pa×s	354.04	Joback Method

dvisc	0.0012387	Pa×s	393.14	Joback Method
dvisc	0.0009238	Pa×s	432.24	Joback Method
dvisc	0.0007232	Pa×s	471.35	Joback Method
dvisc	0.0005879	Pa×s	510.45	Joback Method
dvisc	0.0004922	Pa×s	549.55	Joback Method
dvisc	0.0004219	Pa×s	588.65	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=U354661&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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