p-Methoxy-«beta»-cyclopropylstyrene

Inchi: InChI=1S/C12H14O/c1-13-12-8-6-11(7-9-12)5-4-10-2-3-10/h4-10H,2-3H2,1H3/b5-4+
InchiKey: VKBCKSDZZHPFHO-SNAWJCMRSA-N
Formula: C12H14O
SMILES: COc1ccc(C=CC2CC2)cc1
Mol. weight [g/mol]: 174.24

Physical Properties

Property code	Value	Unit	Source
gf	188.91	kJ/mol	Joback Method
hf	-8.15	kJ/mol	Joback Method
hfus	20.01	kJ/mol	Joback Method
hvap	47.53	kJ/mol	Joback Method
log10ws	-3.32		Crippen Method
logp	3.118		Crippen Method
mcvol	146.890	ml/mol	McGowan Method
pc	2802.44	kPa	Joback Method
rinpol	1543.00		NIST Webbook
tb	538.94	K	Joback Method
tc	762.89	K	Joback Method
tf	299.03	K	Joback Method
vc	0.554	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	340.09	J/mol×K	538.94	Joback Method
cpg	356.72	J/mol×K	576.26	Joback Method
cpg	372.24	J/mol×K	613.59	Joback Method
cpg	386.71	J/mol×K	650.91	Joback Method
cpg	400.22	J/mol×K	688.24	Joback Method
cpg	412.82	J/mol×K	725.56	Joback Method
cpg	424.59	J/mol×K	762.89	Joback Method
dvisc	0.0013622	Pa×s	299.03	Joback Method
dvisc	0.0009164	Pa×s	339.02	Joback Method

dvisc	0.0006703	Pa×s	379.00	Joback Method
dvisc	0.0005204	Pa×s	418.99	Joback Method
dvisc	0.0004223	Pa×s	458.97	Joback Method
dvisc	0.0003543	Pa×s	498.96	Joback Method
dvisc	0.0003051	Pa×s	538.94	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R419297&Units=SI

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