2-CARBOXY-2'-HYDROXY-4'-METHOXYBENZOPH

Other names:	Benzoic acid, 2-(2-hydroxy-4-methoxybenzoyl)- o-(2-Hydroxy-p-anisoyl)benzoic acid o-(2-Hydroxy-4-methoxybenzoyl)benzoic acid Benzoic acid, o-(2-hydroxy-p-anisoyl)- Benzoic acid, o-(2-hydroxy-4-methoxybenzoyl)- Cyasorb Cyasorb UV 207 2-(2-Hydroxy-4-methoxybenzoyl)benzoic acid 2'-Carboxy-2-hydroxy-4-methoxybenzophenone(o-(2-hydroxy-p-anisoyl)benzoic acid)
Inchi:	InChI=1S/C15H12O5/c1-20-9-6-7-12(13(16)8-9)14(17)10-4-2-3-5-11(10)15(18)19/h2-8,1
InchiKey:	JLZIIHMTTRXXIN-UHFFFAOYSA-N
Formula:	C15H12O5
SMILES:	COc1ccc(C(=O)c2ccccc2C(=O)O)c(O)c1
Mol. weight [g/mol]:	272.26

Physical Properties

Property code	Value	Unit	Source
hf	-654.36	kJ/mol	Cheméo Relay (1.0)
hfus	36.17	kJ/mol	Joback Method
hvap	133.20	kJ/mol	Cheméo Relay (1.0)
ie	8.29	eV	Cheméo Relay (1.0)
log10ws	-3.30		Cheméo Relay (1.0)
logp	2.330		Crippen Method
mcvol	195.440	ml/mol	McGowan Method
tb	643.11	K	Cheméo Relay (1.0)
tf	432.41	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	566.34	J/mol×K	908.88	Joback Method
cpg	616.93	J/mol×K	1143.64	Joback Method
cpg	609.31	J/mol×K	1104.51	Joback Method
cpg	601.48	J/mol×K	1065.39	Joback Method

cpg	593.35	J/mol×K	1026.26	Joback Method
cpg	584.85	J/mol×K	987.13	Joback Method
cpg	575.87	J/mol×K	948.01	Joback Method
dvisc	0.0000032	Pa×s	770.10	Joback Method
dvisc	0.0000009	Pa×s	908.88	Joback Method
dvisc	0.0000013	Pa×s	862.62	Joback Method
dvisc	0.0000020	Pa×s	816.36	Joback Method
dvisc	0.0000209	Pa×s	631.32	Joback Method
dvisc	0.0000056	Pa×s	723.84	Joback Method
dvisc	0.0000103	Pa×s	677.58	Joback Method

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=C4756450&Units=SI
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
hf: Enthalpy of formation at standard conditions
hfus: Enthalpy of fusion at standard conditions
hvap: Enthalpy of vaporization at standard conditions
ie: Ionization energy
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

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