Flurenol methyl ester

Other names:	Fluorene-9-carboxylic acid, 9-hydroxy-, methyl ester
	Methyl 9-hydroxyfluorene-9-carboxylate
	Flurenol methyl ester
Inchi:	InChI=1S/C15H12O3/c1-18-14(16)15(17)12-8-4-2-6-10(12)11-7-3-5-9-13(11)15/h2-9,17H
InchiKey:	AJKQZRAAQMBNKM-UHFFFAOYSA-N
Formula:	C15H12O3
SMILES:	COC(=O)C1(O)c2ccccc2-c2ccccc21
Mol. weight [g/mol]:	240.26

Physical Properties

Property code	Value	Unit	Source
hfus	24.82	kJ/mol	Joback Method
log10ws	-3.27		Cheméo Relay (1.0)
logp	2.076		Crippen Method
mcvol	177.140	ml/mol	McGowan Method
tf	365.95	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	489.10	J/mol×K	772.83	Joback Method
cpg	500.88	J/mol×K	810.95	Joback Method
cpg	512.45	J/mol×K	849.06	Joback Method
cpg	523.98	J/mol×K	887.18	Joback Method
cpg	535.67	J/mol×K	925.30	Joback Method
cpg	547.70	J/mol×K	963.41	Joback Method
cpg	560.28	J/mol×K	1001.53	Joback Method

Sources

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1216440&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
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
hfus:	Enthalpy of fusion at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point