Fluorescamine

Other names:	4-phenylspiro[furan-2(3H),1'(3'H)-isobenzofuran]-3,3'-dione
	Fluorescamine
	Fluorescin
Inchi:	InChI=1S/C17H10O4/c18-15-13(11-6-2-1-3-7-11)10-20-17(15)14-9-5-4-8-12(14)16(19)21
InchiKey:	ZFKJVJIDPQDDFY-UHFFFAOYSA-N
Formula:	C17H10O4
SMILES:	O=C1OC2(OC=C(c3ccccc3)C2=O)c2ccccc21
Mol. weight [g/mol]:	278.26

Physical Properties

Property code	Value	Unit	Source
hfus	30.09	kJ/mol	Joback Method
logp	2.650		Crippen Method
mcvol	191.730	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	575.64	J/mol×K	863.04	Joback Method
cpg	591.94	J/mol×K	911.55	Joback Method
cpg	607.96	J/mol×K	960.06	Joback Method
cpg	624.03	J/mol×K	1008.58	Joback Method
cpg	640.43	J/mol×K	1057.09	Joback Method
cpg	657.48	J/mol×K	1105.60	Joback Method
cpg	675.49	J/mol×K	1154.11	Joback Method

Sources

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
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C38183129&Units=SI

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume