

# Flufenamic acid, hydroxy, bis-methylated

<b>Inchi:</b>	InChI=1S/C16H14F3NO3/c1-22-14-8-7-10(9-12(14)16(17,18)19)20-13-6-4-3-5-11(13)15
<b>InchiKey:</b>	QIDVKLRSNSCINA-UHFFFAOYSA-N
<b>Formula:</b>	C16H14F3NO3
<b>SMILES:</b>	<chem>COC(=O)c1ccccc1Nc1ccc(OC)c(C(F)(F)F)c1</chem>
<b>Mol. weight [g/mol]:</b>	325.28

## Physical Properties

Property code	Value	Unit	Source
gf	-551.35	kJ/mol	Joback Method
hf	-855.55	kJ/mol	Joback Method
hfus	35.01	kJ/mol	Joback Method
hvap	72.00	kJ/mol	Joback Method
log10ws	-4.74		Crippen Method
logp	4.244		Crippen Method
mcvol	217.380	ml/mol	McGowan Method
pc	2045.61	kPa	Joback Method
rinqol	2115.00		NIST Webbook
tb	777.24	K	Joback Method
tc	992.85	K	Joback Method
tf	511.72	K	Joback Method
vc	0.836	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	620.69	J/molxK	777.24	Joback Method
cpg	633.51	J/molxK	813.17	Joback Method
cpg	645.29	J/molxK	849.11	Joback Method
cpg	656.07	J/molxK	885.04	Joback Method
cpg	665.87	J/molxK	920.98	Joback Method
cpg	674.74	J/molxK	956.91	Joback Method
cpg	682.72	J/molxK	992.85	Joback Method

# Sources

<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R201615&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R201615&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpola:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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