

# 2-Hydroxybenzyl alcohol, bis(trifluoroacetate)

<b>Inchi:</b>	InChI=1S/C11H6F6O4/c12-10(13,14)8(18)20-5-6-3-1-2-4-7(6)21-9(19)11(15,16)17/h1-4H
<b>InchiKey:</b>	USPRDSFGAWCQMY-UHFFFAOYSA-N
<b>Formula:</b>	C11H6F6O4
<b>SMILES:</b>	O=C(OCc1ccccc1OC(=O)C(F)(F)F)C(F)(F)F
<b>Mol. weight [g/mol]:</b>	316.15

## Physical Properties

Property code	Value	Unit	Source
gf	-1486.50	kJ/mol	Joback Method
hf	-1729.07	kJ/mol	Joback Method
hfus	27.12	kJ/mol	Joback Method
hvap	53.84	kJ/mol	Joback Method
log10ws	-3.69		Crippen Method
logp	2.760		Crippen Method
mcvol	167.590	ml/mol	McGowan Method
pc	2271.90	kPa	Joback Method
rinpola	1131.00		NIST Webbook
rinpola	1131.00		NIST Webbook
tb	624.48	K	Joback Method
tc	809.32	K	Joback Method
tf	405.37	K	Joback Method
vc	0.677	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	442.65	J/molxK	624.48	Joback Method
cpg	453.00	J/molxK	655.29	Joback Method
cpg	462.62	J/molxK	686.09	Joback Method
cpg	471.54	J/molxK	716.90	Joback Method
cpg	479.78	J/molxK	747.71	Joback Method
cpg	487.37	J/molxK	778.52	Joback Method
cpg	494.35	J/molxK	809.32	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<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=U376193&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U376193&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>hvp:</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>rinp:</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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