

# geranyl 6-

# O-(«alpha»-L-arabinofuranosyl)-«beta»-D-glucopy

**TFA**  
InchiKey:

InChI=1S/C33H30F18O16/c1-11(2)5-4-6-12(3)7-8-58-20-19(67-27(57)33(49,50)51)17(65

Formula:

CYAPMPWDJKDVSX-BBVCSDLISA-N

SMILES:

C33H30F18O16

Mol. weight [g/mol]:

CC(C)=CCCC(C)=CCOC1OC(COC2OC(COC(=O)C(F)(F)F)C(OC(=O)C(F)(F)F)C2OC(=

1024.55

## Physical Properties

Property code	Value	Unit	Source
gf	-4897.95	kJ/mol	Joback Method
hf	-6116.89	kJ/mol	Joback Method
hfus	118.29	kJ/mol	Joback Method
hvap	133.94	kJ/mol	Joback Method
log10ws	-8.63		Crippen Method
logp	5.638		Crippen Method
mcvol	545.490	ml/mol	McGowan Method
pc	474.65	kPa	Joback Method
rinsol	2261.00		NIST Webbook
tb	1488.62	K	Joback Method
tc	2372.98	K	Joback Method
tf	967.89	K	Joback Method
vc	2.192	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	1965.00	J/molxK	1488.62	Joback Method
cpg	1918.32	J/molxK	1636.01	Joback Method
cpg	1857.47	J/molxK	1783.41	Joback Method
cpg	1789.26	J/molxK	1930.80	Joback Method
cpg	1720.48	J/molxK	2078.20	Joback Method
cpg	1657.93	J/molxK	2225.59	Joback Method
cpg	1608.40	J/molxK	2372.98	Joback Method

# Sources

<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=R438703&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R438703&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>
<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>

# 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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