

Other names:

methyl ester

[1R-(1«alpha»,4«beta»,4b«alpha»,10a«alpha»)]-

InchiKey: VFWGUFBDEBVPBM-UHFFFAOYSA-N

Formula: C₂₁H₃₀O₂

SMILES: C=C(C)C1=CC2=CCC3C(C)(C(=O)OC)CCCC3(C)C2CC1

Mol. weight [g/mol]: 314.46

CAS: 54850-32-7

Property code	Value	Unit	Temperature [K]	Source
cpg	858.98	J/mol×K	798.39	Joback Method
cpg	882.95	J/mol×K	837.58	Joback Method
cpg	906.59	J/mol×K	876.77	Joback Method

cpg	930.20	J/mol×K	915.95	Joback Method
cpg	954.10	J/mol×K	955.14	Joback Method
cpg	978.61	J/mol×K	994.33	Joback Method
cpg	1004.03	J/mol×K	1033.52	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C54850327&Units=SI
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
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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