

# Ethoxyquin

**Other names:**

Quinoline, 6-ethoxy-1,2-dihydro-2,2,4-trimethyl-

Alterungsschutzmittel EC

Amea 100

Antioxidant EC

Dawe's nutrigard

Ethoxyquine

EMQ

EQ

Niflex

Nocrack AW

Permanax 103

Quinol ED

Santoflex A

Santoflex AW

Santoquin

Santoquine

Stop-Scald

1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinoline

6-Ethoxy-1,2-dihydro-2,2,4-trimethylquinoline

Nix-Scald

USAF B-24

1,2-Dihydro-2,2,4-trimethyl-6-ethoxyquinoline

2,2,4-Trimethyl-6-ethoxy-1,2-dihydroquinoline

6-Ethoxy-2,2,4-trimethyl-1,2-dihydroquinoline

Ethoxychin

Antage AW

Antox

Aries antox

Niflex D

Nocrac AW

NSC 6795

**Inchi:**

InChI=1S/C14H19NO/c1-5-16-11-6-7-13-12(8-11)10(2)9-14(3,4)15-13/h6-9,15H,5H2,1-4

**InchiKey:**

DECIPOUIJURFOJ-UHFFFAOYSA-N

**Formula:**

C14H19NO

**SMILES:**

CCOc1ccc2c(c1)C(C)=CC(C)(C)N2

**Mol. weight [g/mol]:**

217.31

**CAS:**

91-53-2

# Physical Properties

Property code	Value	Unit	Source
gf	206.35	kJ/mol	Joback Method
hf	-84.92	kJ/mol	Joback Method
hfus	26.63	kJ/mol	Joback Method
hvap	59.41	kJ/mol	Joback Method
log10ws	-4.10		Crippen Method
logp	3.693		Crippen Method
mcvol	185.050	ml/mol	McGowan Method
pc	2421.88	kPa	Joback Method
tb	642.72	K	Joback Method
tc	872.54	K	Joback Method
tf	477.86	K	Joback Method
vc	0.700	m <sup>3</sup> /kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	482.40	J/mol×K	642.72	Joback Method
cpg	499.52	J/mol×K	681.02	Joback Method
cpg	515.79	J/mol×K	719.33	Joback Method
cpg	531.33	J/mol×K	757.63	Joback Method
cpg	546.27	J/mol×K	795.94	Joback Method
cpg	560.74	J/mol×K	834.24	Joback Method
cpg	574.88	J/mol×K	872.54	Joback Method

# Sources

- NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C91532&Units=SI>
- Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
- Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)
- Joback Method:** [https://en.wikipedia.org/wiki/Joback\\_method](https://en.wikipedia.org/wiki/Joback_method)
- McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

# 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>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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