7-ACETYL-6-ETHYL-1,1,4,4-TETRAMETHYLTETRA

Other names: Versalide
Ethanone, 1-(3-ethyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-
Musk 36A
Polycyclic musk
1,1,4,4-Tetramethyl-6-ethyl-7-acetyl-1,2,3,4-tetrahydronaphthalene
2'-Acetonaphthone, 3'-ethyl-5',6',7',8'-tetrahydro-5',5',8',8'-tetramethyl-
3'-Ethyl-5',6',7',8'-tetrahydro-5',5',8',8'-tetramethyl-2'-acetonaphthone
7-Acetyl-6-ethyl-1,1,4,4-tetramethyl-1,2,3,4-tetrahydronaphthalene
6-Acetyl-1,1,4,4-tetramethyl-7-ethyltetralin
AETT
1-(3-Ethyl-5,6,7,8-tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-ethanone
1,2,3,4-Tetrahydronaphthalene, 6-acetyl-7-ethyl-1,1,4,4-tetramethyl-
1,1,4,4-Tetramethyl-6-ethyl-7-acetyltetralin
7-Acetyl-6-ethyl-1,2,3,4-tetrahydro-1,1,4,4-tetramethylnaphthalene
NSC 15342

Inchi: InChI=1S/C18H26O/c1-7-13-10-15-16(11-14(13)12(2)19)18(5,6)9-8-17(15,3)4/h10-11H,7

InchiKey: KSEZPRJUTHMFGZ-UHFFFAOYSA-N

Formula: C18H26O

SMILES: CCc1cc2c(cc1C(C)=O)C(C)(C)CCC2(C)C

Mol. weight [g/mol]: 258.41

Physical Properties

Property code	Value	Unit	Source
hfus	21.36	kJ/mol	Joback Method
logp	4.801		Crippen Method
mcvol	231.430	ml/mol	McGowan Method
tf	365.75	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	662.33	J/mol×K	713.55	Joback Method
cpg	682.22	J/mol×K	751.17	Joback Method
cpg	701.58	J/mol×K	788.79	Joback Method

cpg	720.66	J/mol×K	826.41	Joback Method
cpg	739.71	J/mol×K	864.03	Joback Method
cpg	758.97	J/mol×K	901.65	Joback Method
cpg	778.70	J/mol×K	939.27	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C88299&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
hfus:	Enthalpy of fusion at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point