Resmethrin

Other names:

Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl)-, [5-(phenylmethyl)-3-furanyl]methyl ester
Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methylpropenyl)-, (5-benzyl-3-furyl)methyl ester
(5-Benzyl-3-furyl)methyl chrysanthemate
Chrysron
NIA 17370
NRDC 104
Penick SBP 1382
Penick 1382
SBP 1382
5-Benzylfurfuryl chrysanthemate
Resmethrine
Benzofuroline
Benzyfuroline
5-Benzyl-3-furylmethyl(.+/-.)-cis,trans-chrysanthemate
(5-Benzyl-3-furyl) methyl-2,2-dimethyl-3-(2-methylpropenyl)-cyclopropanecarboxylate
Chryson
Dimethyl 3-(2-methyl-1-propenyl)cyclopropanecarboxylate
ENT 27474
FMC 17370
For-syn
NSC 195022
OMS-1206
Premgard
Pynosect
Pyretherm
Resmetrina
S.B. Penick 1382
Synthrin
Crossfire
SPB-1382
Syntox
ARI-B
Enforcer
Penncapthrin
Pyresthrin
(5-(Phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate

Inchi: InChI=1S/C22H26O3/c1-15(2)10-19-20(22(19,3)4)21(23)25-14-17-12-18(24-13-17)11-16

InchiKey: VEMKTZHHVJILDY-UHFFFAOYSA-N

Formula: C22H26O3

SMILES: CC(C)=CC1C(C(=O)OCc2coc(Cc3ccccc3)c2)C1(C)C

Mol. weight [g/mol]: 338.44
CAS: 10453-86-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.26		Crippen Method
logp	5.152		Crippen Method
mcvol	275.770	ml/mol	McGowan Method
tf	330.62 ± 0.20	K	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C10453868&Units=SI
Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
mcvol: McGowan's characteristic volume
tf: Normal melting (fusion) point