Warfarin, heptafluorobutyrate

Inchi: InChI=1S/C23H15F7O5/c1-12(31)11-15(13-7-3-2-4-8-13)17-18(14-9-5-6-10-16(14)34-19
InchiKey: HHBJHKLUCLWFHB-UHFFFAOYSA-N
Formula: C23H15F7O5
SMILES: CC(=O)CC(c1ccccc1)c1c(OC(=O)C(F)(F)C(F)(F)C(F)(F)F)c2ccccc2oc1=O
Mol. weight [g/mol]: 504.35

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.47		Crippen Method
logp	5.642		Crippen Method
mcvol	301.090	ml/mol	McGowan Method
rinpol	2396.00		NIST Webbook
rinpol	2396.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U375704&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
rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.