

Edulisin III

Inchi:	InChI=1S/C21H24O7/c1-6-11(2)20(24)27-18-16-14(25-19(18)21(4,5)28-12(3)22)9-7-13-8
InchiKey:	UBLBUWKMSDCDLT-UHFFFAOYSA-N
Formula:	C21H24O7
SMILES:	CCC(C)C(=O)OC1c2c(ccc3ccc(=O)oc23)OC1C(C)(C)OC(C)=O
Mol. weight [g/mol]:	388.41
CAS:	158515-39-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.18		Crippen Method
logp	3.526		Crippen Method
mcvol	285.160	ml/mol	McGowan Method
rinpol	2765.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C158515390&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

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