Oxycodone

Other names:	Oxycontin
	Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5«alpha»)-
	Morphinan-6-one, 4,5«alpha»-epoxy-14-hydroxy-3-methoxy-17-methyl-
	Codeinone, dihydro-14-hydroxy-
	Dihydro-14-hydroxycodeinone
	Dihydrohydroxycodeinone
	Dihydrone
	Diphydrone
	Oxicon
	Oxycodeinone
	14-Hydroxydihydrocodeinone
	Codeinone, dihydrohydroxy-
	Codeinone, 7,8-dihydro-14-hydroxy-
	Dihydroxycodeinone
	Eucodalum
	Oxycodon
	Percobarb
	Percodan
	Tekodin (free base)
	4,5«alpha»-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one
	4aH-8,9c-Iminoethanophenanthro(4,5-bcd)furan-5(6H)-one, 7,7a,8,9-tetrahydro-7a-hydroxy-3-methoxy-12-methyl-
	Oxicone
	(-)-14-Hydroxydihydrocodeinone
	NSC 19043
	Dihydrohydroxycondeinone
Inchi:	InChI=1S/C18H21NO4/c1-19-8-7-17-14-10-3-4-12(22-2)15(14)23-16(17)11(20)5-6-18(17
InchiKey:	BRUQQQPBMZOVGD-UHFFFAOYSA-N
Formula:	C18H21NO4
SMILES:	COc1ccc2c3c1OC1C(=O)CCC4(O)C(C2)N(C)CCC314
Mol. weight [g/mol]:	315.36
CAS:	76-42-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.53		Crippen Method
logp	1.048		Crippen Method

mcvol	226.440	ml/mol	McGowan Method
rinpol	2485.00		NIST Webbook
rinpol	2524.00		NIST Webbook
rinpol	2485.00		NIST Webbook
rinpol	2483.00		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C76426&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices