Cialis

Other names:	(6R,12aR)-6-(benzo[d][1,3]dioxol-5-yl)-2-methyl-2,3,6,7,12,12a-hexahydropyrazino[1',2':1
	Adcirca
	Tadalafil
	Tardenafil
	Tildenafil
	Zydalis
Inchi:	InChI=1S/C22H19N3O4/c1-24-10-19(26)25-16(22(24)27)9-14-13-4-2-3-5-15(13)23-20(14
InchiKey:	WOXKDUGGOYFFRN-IIBYNOLFSA-N
Formula:	C22H19N3O4
SMILES:	CN1CC(=O)N2C(Cc3c([nH]c4ccccc34)C2c2ccc3c(c2)OCO3)C1=O
Mol. weight [g/mol]:	389.41

Physical Properties

Property code	Value	Unit	Source
logp	1.729		Crippen Method
mcvol	270.400	ml/mol	McGowan 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):	
Measurement and Correlation of Tadalafil Solubility in Five Pure Solvents at (298.15 to 333.15) K:	https://www.doi.org/10.1021/je400982r

Legend

logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume