

Records found: 1

Compound: Doxycycline							
CAS:		564-25-0					
Category:		Anti-infective Agents					
Subcategory:		Anti-infective Agents (other)					
Formula:		C22 H24 N2 O8					
Molecular Weight:		444.43					
SMILES:		[H][C@@]12[C@@H](C)C3=C(C(O)=CC=C3)C(=O)C1=C(O)[C@]1(O)C(=O)C(C(N)=O)=C(O)[C@@H](N(C)C)[C@]1([H])[C@H]2O>					
pKa:		3.4, 7.7, 9.5					
Low est Solubility (mg/ml):		0.1					
Human Permeability (x 10 ⁴ cm/s):		N/A					
cLogP (BioLoom 5.0):	-0.98	LOW Permeability					
logP:	-0.02	LOW Permeability					
Country List:	Minimum Dose (mg)	Maximum Dose (mg)	Do (min)**	Do (max)**	Solubility	BCS Class (cLogP)	BCS Class (logP)
WHO	100.0	100.0	4.0	4.0	LOW	Class IV	Class IV

** A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.