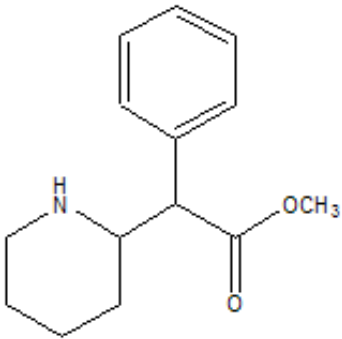


## Records found: 1

Compound: Methylphenidate							
							
CAS:		113-45-1					
Category:		Central Nervous System Agents					
Subcategory:		CNS Stimulants					
Formula:		C14 H19 N O2					
Molecular Weight:		233.31					
SMILES:		COC(=O)C(C1CCCCN1)C1=CC=CC=C1>					
pKa:		8.8					
Low est Solubility (mg/ml):		0.01					
Human Permeability (x 10 <sup>4</sup> cm/s):		N/A					
cLogP (BioLoom 5.0):	2.56	HIGH Permeability					
logP:	0.2	LOW Permeability					
Country List:	Minimum Dose (mg)	Maximum Dose (mg)	Do (min)**	Do (max)**	Solubility	BCS Class (cLogP)	BCS Class (logP)
US	2.5	20.0	1.0	8.0	LOW*	Class II*	Class IV*

\* At the lowest dose strength, this is a HIGH solubility compound.

\*\* 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.