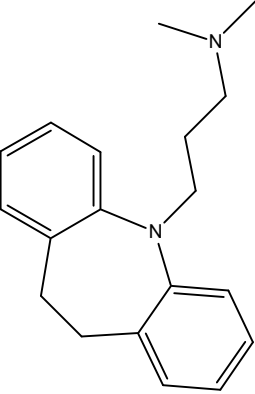
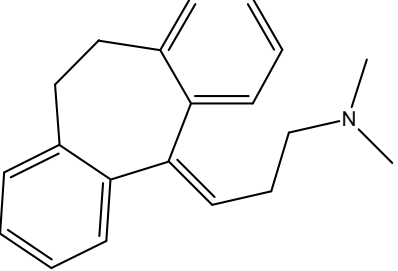
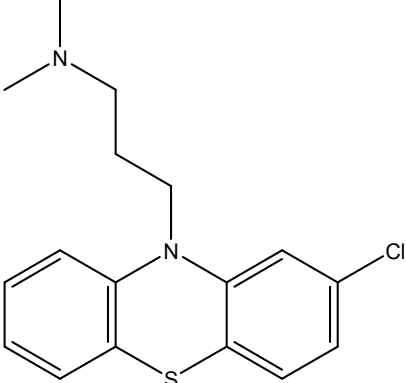


Supplementary data #1

Table: Molecular structures formula, dissociation constant and partition coefficients of TCAs drugs studied.

Analyte(s)	Structure	Molecular formula	pK_a	Log P
Imipramine (IMI)		$C_{19}H_{24}N_2$	9.53 ^a	4.5 ^a
Amitriptyline (AMI)		$C_{20}H_{23}N$	9.42 ^a	4.9 ^a
Chlorpromazine (CHLO)		$C_{17}H_{19}ClN_2S$	9.20 ^a	5.2 ^a

^a <http://www.drugbank.ca> (accessed on 12 March 2014).