

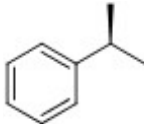
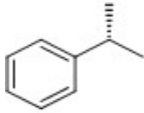
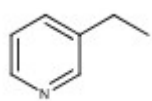
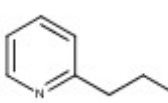
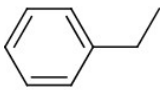
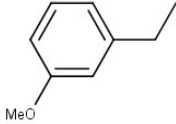
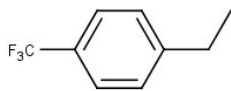
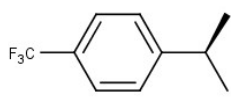
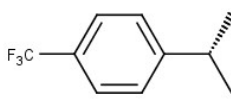
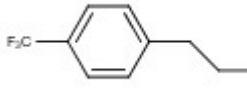


*Supplementary Information*

Compound	Substituents		$pK_a$ (25 °C)
	-R <sub>7</sub>	-R <sub>9</sub>	
Harmine		H	6.15
<b>1</b>		H	6.15
<b>2a</b>		H	6.15
<b>2b</b>		H	6.15
<b>3</b>		H	6.15
<b>4</b>		H	6.15
<b>5</b>	Me		6.09
<b>6</b>	Me		6.09
<b>7</b>	Me		6.09
<b>8a</b>	Me		6.08
<b>8b</b>	Me		6.08
<b>9</b>	Me		6.10

### **Supplementary Table 1**

The  $pK_a$  values of harmine and its synthetic derivatives predicted with MarvinSketch version 6.3.0 (ChemAxon).