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Supplementary Information

Compound	Substituents		pK_a
	- R ₇	-R ₉	(25 °C)
Harmine	н₃с —	Н	6.15
1	\downarrow	Н	6.15
2a		Н	6.15
2b		Н	6.15
3		Н	6.15
4		Н	6.15
5	Me		6.09
6	Me	MeO	6.09
7	Me	F ₃ C	6.09
8a	Me	F ₃ C	6.08
8b	Me	F ₃ C	6.08
9	Me	F ₃ C	6.10

Supplementary Table 1

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