

Selective Extraction and Elution of Weak Bases by In-Line Solid-Phase Extraction Capillary Electrophoresis using a pH Step Gradient and a Weak Cation-Exchange Monolith

Jonathan R. E. Thabano, Michael C. Breadmore,* Joseph P. Hutchinson, Cameron Johns and Paul R. Haddad

Australian Centre for Research on Separation Science, School of Chemistry, University of Tasmania, Private Bag 75, Hobart, Australia. Fax: +61 (0)3 8226 2858; Tel: +61 (0)3 6226 2154; E-mail: mcb@utas.edu.au

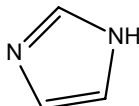
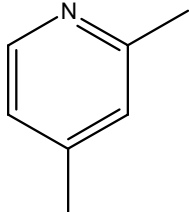
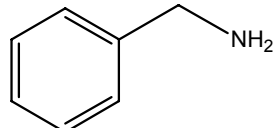
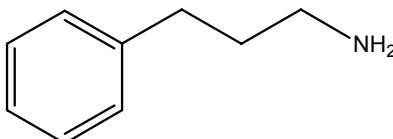
Structure	Name	pK _a at 25°C
1. 	IMI	6.993 HL/H.L
2. 	LUT	6.63 HL/H.L
3. 	BA	9.35 HL/H.L
4. 	PPA	10.28 HL/H.L

Fig. 1: Structures of the selected analytes. pK_a values were obtained from Ref 27, except for PPA which was calculated using ACD/Labs version 1994–2008.