

Supporting Information

Toxicity Assessment of Various Ionic Liquid Families towards *Vibrio fischeri* Marine Bacteria

Sónia P. M. Ventura CICECO, Departamento de Química, Universidade de Aveiro, 3810-193 Aveiro, Portugal, spventura@ua.pt,

Carolina S. Marques CQFM - Centro de Química-Física Molecular and IN - Institute of Nanosciences and Nanotechnology, Instituto Superior Técnico, 1049-001 Lisboa, Portugal, carolsmarq@gmail.com, Andreia A. Rosatella CQFM - Centro de Química-Física

Molecular and IN - Institute of Nanosciences and Nanotechnology, Instituto Superior Técnico, 1049-001 Lisboa, Portugal, rosatella@ff.ul.pt,

Carlos A. M. Afonso iMed.UL, Faculdade de Farmácia da Universidade de Lisboa, Av. Prof. Gama Pinto, 1649-003 Lisboa, Portugal,

carlosafonso@ff.ul.pt, Fernando Gonçalves CESAM (Centro de Estudos do Ambiente e do Mar), Departamento de Biologia,

Universidade de Aveiro, 3810-193 Aveiro, Portugal, fjmg@ua.pt, João A. P. Coutinho* CICECO, Departamento de Química,

Universidade de Aveiro, 3810-193 Aveiro, Portugal, jcoutinho@ua.pt

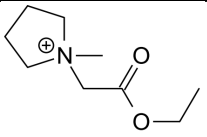
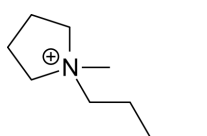
*Corresponding author

Campus Universitário de Santiago, University of Aveiro, Aveiro, Portugal

Tel: +351-234-370200; Fax: +351-234-370084; E-mail address: jcoutinho@ua.pt

Table A.1. EC₅₀ values (mg.L⁻¹) for two pyrrolidinium-based ILs obtained from the UFT/Merck Ionic Liquids Biological Effects Database (<http://www.il-eco.uft.uni-bremen.de>).

AChE - *Acetylcholinesterase*, IPC-81 - promyelocytic leukaemia cells. NTf₂ -

IONIC LIQUIDS	EC ₅₀ (mg.L ⁻¹) (lower limit; upper limit)	
	<i>AChE</i>	IPC-81
 NTf ₂ 1-(2-ethoxy-2-oxoethyl)-1-methylpyrrolidinium NTf₂	≥ 452	1770 (1380 – 2320)
 NTf ₂ 1-butyl-1-methylpyrrolidinium NTf₂	56.6 (51.2 - 62.6)	429 (384 – 484)

bis(trifluoromethylsulfonyl)imide.