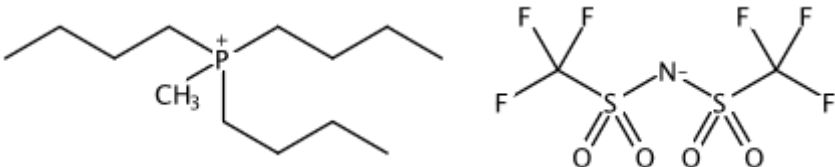


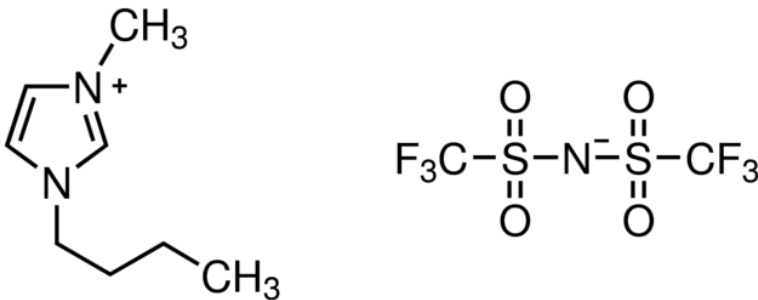
TBMP-TFSI

PI.PS.00816.1000_00

product name	Tributylmethylphosphonium bis(trifluoromethylsulfonyl)imide		
chemical structure			
PI product number	00816.1000		
molecular weight	497.4972g*mol ⁻¹		
molecular formula	C ₁₅ F ₆ H ₃₀ NO ₄ PS ₂		
CAS	324575-10-2		
purity	electronic grade		
assay TBMP⁺	≥ 99.0%w, CAD		
assay TFSI⁻	≥ 99.0%w, IC		
halides	< 30 ppm _w , IC		
assay H₂O	< 50 ppm _w , coulometric Karl Fischer titration		
assay free base	< 500 ppm _w , CAD		
aspect	clear liquid, acc. to Ph. Eur. 5.0		
color number	< 500, APHA-Hazen-scale		
ΔE	> 5.7 V, WE: Pt, CE: Pt, RE:W/WO ₃ ; 100 mV/s ± 1 mA/cm ²		

BMIM-TFSI

PI.PS.00216.1000_01

product name	1-Butyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide		
chemical structure			
PI product number	00216.1000		
molecular weight	419.36 g*mol ⁻¹		
molecular formula	C ₁₀ H ₁₅ F ₆ N ₃ O ₄ S ₂		
CAS	174899-83-3		
purity	electronic grade		
assay BMIM ⁺	≥ 99.0%w, HPLC		
assay TFSI ⁻	≥ 99.0%w, IC		
halides	< 30 ppm _w , IC		
assay H ₂ O	< 50 ppm _w , coulometric Karl Fischer titration		
assay 1-alkylimidazole	< 500 ppm _w , HPLC		
aspect	clear liquid, acc. to Ph. Eur. 5.0		
color number	< 250, APHA-Hazen-scale		
ΔE	> 4.5 V, WE: GC, CE: GC, QRE: Pt; 10mV/s ± 1 mA/cm ²		