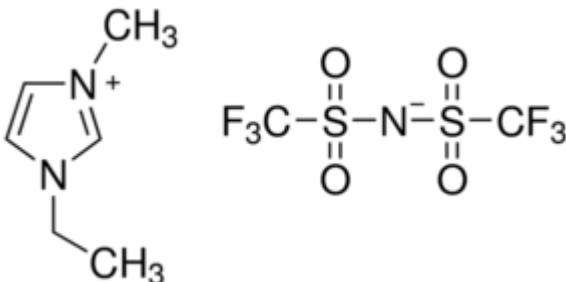


EMIM-TFSI

PI.PS.00116.1000_02

product name	1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
chemical structure	 <p>The image shows the chemical structures of the 1-ethyl-3-methylimidazolium cation and the bis(trifluoromethylsulfonyl)imide (TFSI) anion. The cation is a five-membered imidazolium ring with a methyl group (CH₃) on the nitrogen at position 3 and an ethyl group (CH₂CH₃) on the nitrogen at position 1. The anion consists of a central nitrogen atom (N⁻) bonded to two trifluoromethylsulfonyl groups (CF₃SO₂).</p>
PI product number	00116.1000
molecular weight	391.31 g*mol ⁻¹
molecular formula	C ₈ H ₁₁ F ₆ N ₃ O ₄ S ₂
CAS	174899-82-2
purity	electronic grade
quality	≥ 99.9%w
halides	≤ 10 ppm _w , IC
assay H₂O	< 20 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