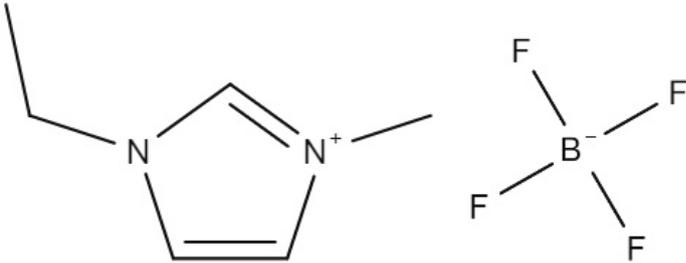


EMIM-BF₄

PI.PS.00103.1000_05

product name	1-Ethyl-3-methylimidazolium tetrafluoroborate
chemical structure	
PI product number	00103.1000
molecular weight	197.97 g*mol ⁻¹
molecular formula	C ₆ H ₁₁ N ₂ BF ₄
CAS number	143314-16-3
EC number	671-177-5
EChA reference number	01-2120086816-43-0000
quality	electronic grade
purity	≥ 99.5 %w
identity	structure confirmed, ¹ H, ¹³ C NMR
identity	passed, IR
assay fluoride	≤ 3000 ppm _w , IC
free halides, except fluoride	≤ 10 ppm _w , IC
assay H₂O	≤ 80 ppm _w , coulometric Karl Fischer titration
assay 1-alkylimidazole	≤ 500 ppm _w , HPLC
aspect	clear liquid, acc. to Ph. Eur. 5.0
color number	< 500, APHA-Hazen-scale
ΔE	> 4.5 V, WE: Pt, CE: Pt, RE: W/WO ₃ ; 10mV/s; ± 1 mA/cm ²