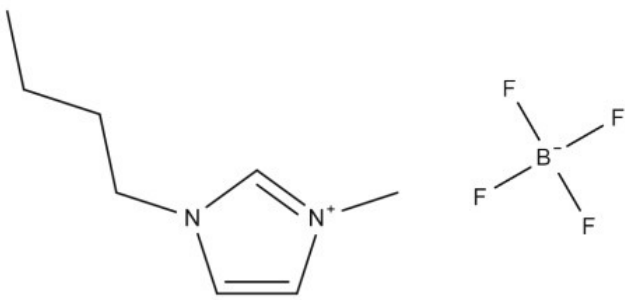


BMIM-BF₄

PI.PS.00203.1000_03

product name	1-Butyl-3-methylimidazolium tetrafluoroborate
chemical structure	
PI product number	00203.1000
molecular weight	226.02 g* ⁻¹ mol ⁻¹
molecular formula	C ₈ H ₁₅ N ₂ BF ₄
CAS	174501-65-6
EC number	638-831-1
EChA reference-number	02-2120785163-52-0000
purity	electronic grade
quality	≥ 99.5 %w
identity	structure confirmed, ¹ H, ¹³ C NMR
identity	passed, IR
assay fluoride	≤ 3000 ppm _w , IC
halides, except fluoride	≤ 10 ppm _w , IC
assay H₂O	≤ 80 ppm _w , 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, QRE: W/WO ₃ ; 10mV/s ± 1 mA/cm ²