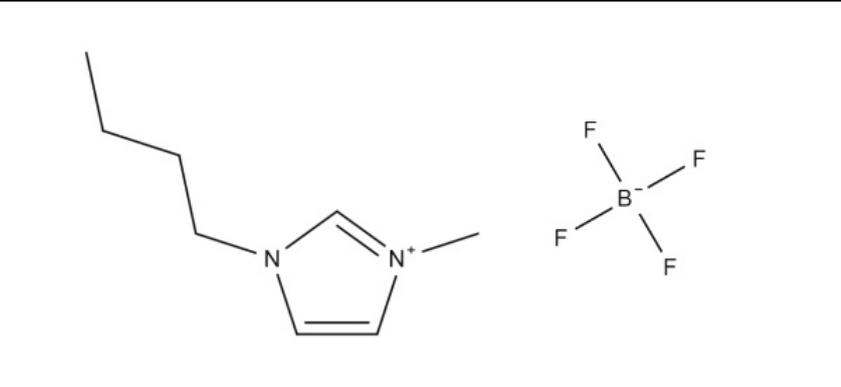


# BMIM-BF<sub>4</sub>

PI.PS.00203.1000\_04

<b>product name</b>	<b>1-Butyl-3-methylimidazolium tetrafluoroborate</b>
<b>chemical structure</b>	
<b>PI product number</b>	00203.1000
<b>molecular weight</b>	226.02 g <sup>*</sup> mol <sup>-1</sup>
<b>molecular formula</b>	C <sub>8</sub> H <sub>15</sub> N <sub>2</sub> BF <sub>4</sub>
<b>CAS</b>	174501-65-6
<b>EC number</b>	638-831-1
<b>EChA reference-number</b>	02-2120785163-52-0000
<b>quality</b>	<b>electronic grade</b>
<b>purity</b>	≥ 99.5 %w
<b>identity</b>	structure confirmed, <sup>1</sup> H, <sup>13</sup> C NMR
<b>identity</b>	passed, IR
<b>assay fluoride</b>	≤ 3000 ppm <sub>w</sub> , IC
<b>halides, except fluoride</b>	≤ 10 ppm <sub>w</sub> , IC
<b>assay H<sub>2</sub>O</b>	≤ 80 ppm <sub>w</sub> , Karl Fischer Titration
<b>assay 1-alkylimidazole</b>	≤ 500 ppm <sub>w</sub> , HPLC
<b>aspect</b>	clear liquid, acc. to Ph. Eur. 5.0
<b>color number</b>	< 500, APHA-Hazen-scale
<b>ΔE</b>	> 4.5 V, WE: Pt, CE: Pt, QRE: W/WO <sub>3</sub> ; 10mV/s ± 1 mA/cm <sup>2</sup>