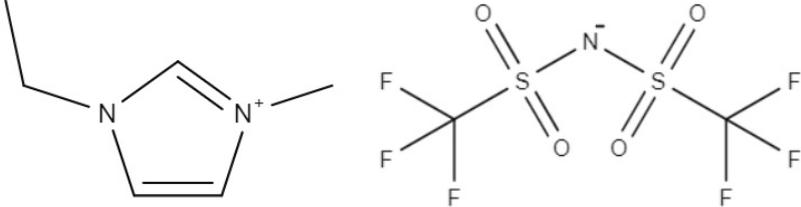


# EMIM-TFSI

PI.PS.00116.1000\_05

<b>product name</b>	1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide
<b>chemical structure</b>	
<b>PI product number</b>	00116.1000
<b>molecular weight</b>	391.31 g*mol <sup>-1</sup>
<b>molecular formula</b>	C <sub>8</sub> H <sub>11</sub> F <sub>6</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
<b>CAS number</b>	174899-82-2
<b>EC number</b>	700-235-5
<b>EChA reference-number</b>	01-2120825886-41-0000
<b>quality</b>	<b>electronic grade</b>
<b>purity</b>	≥ 99.9%w
<b>identity</b>	structure confirmed, <sup>1</sup> H, <sup>13</sup> C NMR
<b>identity</b>	passed, IR
<b>free halides</b>	≤ 10 ppm <sub>w</sub> , IC
<b>assay H<sub>2</sub>O</b>	< 20 ppm <sub>w</sub> , coulometric 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>	< 250, APHA-Hazen-scale
<b>ΔE</b>	> 4.5 V, WE: Pt, CE: Pt, RE: W/WO <sub>3</sub> ; 10mV/s; ± 1 mA/cm <sup>2</sup>