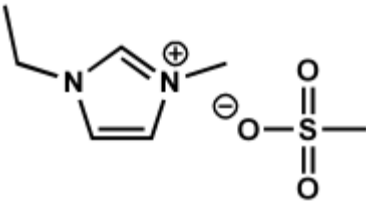


# EMIM-MeSO<sub>3</sub>

PI.PS.00101.3000\_00

|   |  |
|---|--|
| <b>product name</b>                       | 1-Ethyl-3-methylimidazolium methansulfonate  |
| <b>chemical structure</b>                 |  |
| <b>PI product number</b>                  | 00101.3000   |
| <b>molecular weight</b>                   | 206.26 g <sup>*</sup> mol <sup>-1</sup>  |
| <b>molecular formula</b>                  | C <sub>7</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> S                     |
| <b>CAS</b>                                | 145022-45-3  |
| <b>purity</b>                             | purum  |
| <b>assay EMIM<sup>+</sup></b>             | ≥ 98.0%w, HPLC   |
| <b>assay MeSO<sub>3</sub><sup>-</sup></b> | ≥ 98.0%w, IC   |
| <b>halides</b>                            | < 50 ppm <sub>w</sub> , IC   |
| <b>assay H<sub>2</sub>O</b>               | < 0.5%w, Karl Fischer titration  |
| <b>assay free base</b>                    | < 0.5%w, HPLC  |
| <b>aspect</b>                             | clear liquid, acc. to Ph. Eur. 5.0   |
| <b>color</b>                              | light yellow to brown, acc. to Ph. Eur. 5.0  |