

Technical Data Sheet

1-Butyl-3-methylimidazolium methanesulfonate

Revision Date: 6/26/2018

Date Issued: 2/7/2022

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	1-Butyl-3-methylimidazolium methanesulfonate
Product code	IL-0061
CAS	342789-81-5
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D – 74076 Heilbronn Germany
Telephone	+49 (0)7131-89839-0
Fax	+49 (0)7131-89839-109
Emergency telephone	+49 (0)179-5322578
Email	info@iolitec.de



2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	1-Butyl-3-methylimidazolium methanesulfonate
CAS No.	342789-81-5
Empirical Formula	C ₉ H ₁₈ N ₂ O ₃ S
Structure	<p>The structure shows a 1-butyl-3-methylimidazolium cation (a five-membered imidazolium ring with a butyl group on N1 and a methyl group on N3) paired with a methanesulfonate anion (CH₃SO₃[⊖]).</p>
Molecular weight	234.32 g/mol
Purity	98%

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3 PROPERTIES

Color	Colorless to yellowish
Physical state (25 °C)	solid
Melting point	73 °C
Glass transition temperature	not available
Decomposition temperature	not available
Density	1,1303 g/cm ³
Viscosity	not available
Heat capacity	not available
Conductivity	not available
Electrochemical stability window	not available
Anodic limit	not available
Cathodic limit	not available

4 CO-SOLVENT MISCIBILITY

Water	miscible
Acetone	miscible
Acetonitrile	miscible
Isopropanol	miscible
Toluene	not miscible
Hexane	not miscible

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5 ORDER INFORMATION

IL-0061-HP can be obtained in the following standard quantities:

Quantity	Price
25 g	Please enquire
50 g	Please enquire
100 g	Please enquire
250 g	Please enquire
500 g	Please enquire
1 kg	Please enquire
Bulk	Please enquire

Please send your order via email to order@iolitec.de or fax +49 (0)7131 – 89839109.

6 OTHER INFORMATION

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