Volumetric Properties of 3-methyl-1-pentylimidazolium Trifluoroacetate Mixtures

2.2 Mixtures Containing 1,3-Dialkyl Imidazolium Ionic Liquids

02016-06001: 3-methyl-1-pentylimidazolium trifluoroacetate

Abbreviation:	[C ₅ MIm][TA], [C ₅ mim][TFA]
Molecular Formula:	C ₁₁ H ₁₇ F ₃ N ₂ O ₂
Molar Mass:	266.27
Structure:

Binary Mixtures

Mixture 1: [C₅mim][TFA] (1) + [C₅mim][PF₆] (2)

(1) Volumetric Properties

Ref. [212]

These physicochemical properties data are listed in a mixture 1 of IL 02016-05001. [978-94-017-7573-1_58]

Symbols and abbreviations

Short Form	Full Form
[C ₅ mim][PF ₆]	3-methyl-1-pentylimidazolium hexafluorophosphate
[C ₅ MIm][TA], [C ₅ mim][TFA]	3-methyl-1-pentylimidazolium trifluoroacetate
IL 02016-05001	1-amy1-3-methylimidazolium hexafluorophosphate

References

212. Xiao D, Rajian JR, Hines LG, Jr., Li S, Bartsch RA, Quitevis EL (2008) Nanostructural organization and anion effects in the optical Kerr effect spectra of binary ionic liquid mixtures. *The Journal of Physical Chemistry B* 112 (42): 13316–13325.

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