

**IMIDAZOLIUM BASED IONIC LIQUID AS STABILIZER FOR ELECTRODE
 MODIFICATION WITH A WATER-SOLUBLE PORPHYRIN**

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Table S1. Experimental and theoretical Raman frequencies (cm^{-1}) of anion (ILs) and anion (ILs) – TMPyP system.

Experimental Raman NTf₂⁻ (cm⁻¹)	Experimental Raman NTf₂⁻ – TMPyP (cm⁻¹)	Theoretical Raman NTf₂⁻ (cm⁻¹)	Theoretical Raman NTf₂⁻ – TMPyP (cm⁻¹)	Assignment
283	289	287	273	FCSO skeletal def.
451	437	452	491	OSNS skeletal def.
1242	1242	1256	1258	(S)-CF ₃ def.

Experimental Raman PF₆⁻ (cm⁻¹)	Experimental Raman PF₆⁻ – TMPyP (cm⁻¹)	Theoretical Raman PF₆⁻ (cm⁻¹)	Theoretical Raman PF₆⁻ – TMPyP (cm⁻¹)	Assignment
468	468	449	446	PF ₆ ⁻ def.
823	822	894	893	PF ₆ ⁻ def.

*def.: deformation