Bis(fluorosulfonyl)imide (FSI-)

Bis(trifluoromethane)sulfonimide (TFSI or NTf₂)

Bis(perfluoroethylsulfonyl)imide (Beti⁻)

Tetrafluoroborate (BF₄-)

Hexafluorophosphate (PF₆-)

Dicyanamide (dca⁻)

Tricyanomethanide (C(CN)₃-)

Thiocyanate (CNS⁻)

Acetate (OAc⁻)

Trifluorocetate (TFA-)

Triflate (OTf-)

Tosylate (OTs⁻)

Alkylsulfonates (RSO₃-)

Alkylsulfates (RSO₄-)

Cation side chain

X = N, Y = C1 (non-polarisable), C1A (polarisable)

$$X = P, Y = C1P$$

1-ethyl-3-methylimidazolium (C₂C₁im⁺)

1-butyl-3-methylimidazolium (C₄C₁im⁺)

1-ethylimidazolium (C₂im⁺)

1-ethyl-2,3-dimethylimidazolium (C₂C₁C₁im⁺)

Benzylimidazolium (benzC₁im⁺)

Fluoroalkylimidazolium (C₅FC₁im⁺)

H1 H1 H1 F F F
$$\frac{F}{CH}$$

H1 H1 H1 F F $\frac{F}{CH}$

CH CSF CTF F $\frac{F}{CH}$

CW=CW HC HC F F

Alkoxyimidazolium (C₂OHC₁im⁺)

1,1-dimethylpyrrolidinium (C₁C₁pyrr⁺)

1-methylpyridinium (C₁py⁺)

Trimethylammonium (N₁₁₁₀⁺)

Tetramethylammonium (N₁₁₁₁⁺)

Tetramethylphosphonium (P₁₁₁₁⁺)

Guanidinium (gua+)

Isoquinolinium (C₁isoqui⁺)

Cholinium (Ch+)

Alcohols (MeOH)