

Ionic Liquid Screen

HAMPTON
RESEARCH

Solutions for Crystal Growth

Formulation Sheet

HR2-214 (Page 1 of 2)

Ionic Liquid 1: 50% w/v Tetraethylammonium bromide

Purity: 98%

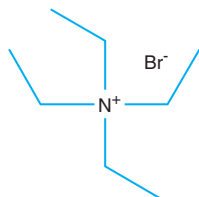
CAS Number: [71-91-0]

M_r: 210.16

Molecular Formula: C₈H₂₀BrN

Cation: Tetraethylammonium

Anion: Bromide



Ionic Liquid 7: 50% w/v 1-Ethyl-3-methylimidazolium acetate

Purity: 95%

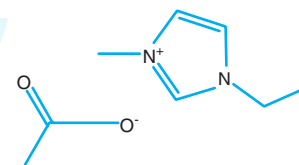
CAS Number: [143314-17-4]

M_r: 170.21

Molecular Formula: C₈H₁₄N₂O₂

Cation: 1-Ethyl-3-methylimidazolium

Anion: Acetate



Ionic Liquid 2: 50% w/v Benzyltriethylammonium chloride

Purity: 99%

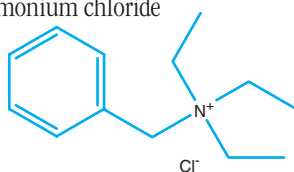
CAS Number: [56-37-1]

M_r: 227.78

Molecular Formula: C₁₃H₂₂ClN

Cation: Benzyltriethylammonium

Anion: Chloride



Ionic Liquid 8: 50% w/v 1-Butyl-3-methylimidazolium chloride

Purity: 99%

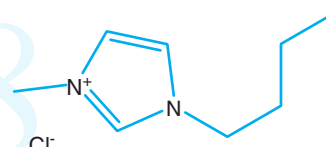
CAS Number: [79917-90-1]

M_r: 174.67

Molecular Formula: C₈H₁₅ClN₂

Cation: 1-Butyl-3-methylimidazolium

Anion: Chloride



Ionic Liquid 3: 50% w/v 2-Hydroxyethylammonium formate

Purity: 97%

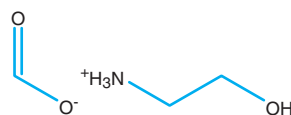
CAS Number: [53226-35-0]

M_r: 107.11

Molecular Formula: C₃H₉NO₃

Cation: 2-Hydroxyethylammonium

Anion: Formate



Ionic Liquid 9: 50% w/v 1-Ethyl-3-methylimidazolium chloride

Purity: 98%

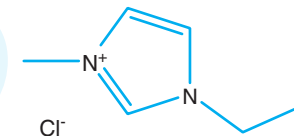
CAS Number: [65039-09-0]

M_r: 146.62

Molecular Formula: C₆H₁₁ClN₂

Cation: 1-Ethyl-3-methylimidazolium

Anion: Chloride



Ionic Liquid 4: 50% w/v Ethylammonium nitrate

Purity: 97%

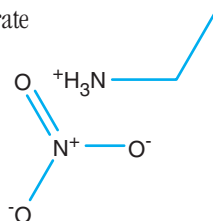
CAS Number: [22113-86-6]

M_r: 108.10

Molecular Formula: C₂H₈N₂O₃

Cation: Ethylammonium

Anion: Nitrate



Ionic Liquid 10: 50% w/v 1-Hexyl-3-methylimidazolium chloride

Purity: 98%

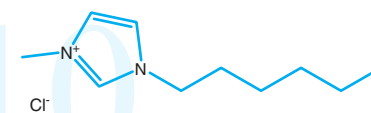
CAS Number: [171058-17-6]

M_r: 202.73

Molecular Formula: C₁₀H₁₉ClN₂

Cation: 1-Hexyl-3-methylimidazolium

Anion: Chloride



Ionic Liquid 5: 50% w/v Cholin acetate

Purity: 95%

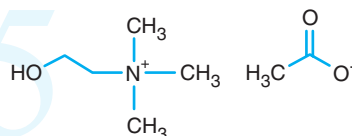
CAS Number: [14586-35-7]

M_r: 163.22

Molecular Formula: C₇H₁₇NO₃

Cation: Choline

Anion: Acetate



Ionic Liquid 11: 50% w/v 1-Butyl-3-methylimidazolium dicyanamide

Purity: 98%

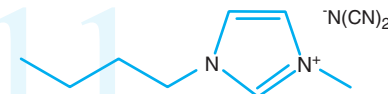
CAS Number: [448245-52-1]

M_r: 205.26

Molecular Formula: C₁₀H₁₅N₅

Cation: 1-Butyl-3-methylimidazolium

Anion: Dicyanamide



Ionic Liquid 6: 50% w/v Choline dihydrogen phosphate

Purity: 98%

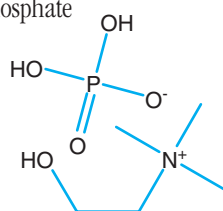
CAS Number: [83846-92-8]

M_r: 201.16

Molecular Formula: C₅H₁₆NPO₅

Cation: Choline

Anion: Dihydrogen phosphate



Ionic Liquid 12: 50% w/v 1,3-Dimethylimidazolium dimethyl phosphate

Purity: 98%

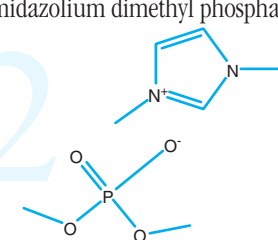
CAS Number: [654058-04-5]

M_r: 222.18

Molecular Formula: C₇H₁₅N₂O₄P

Cation: 1,3-Dimethylimidazolium

Anion: Dimethyl phosphate



Ionic Liquid Screen

HAMPTON
RESEARCH

Solutions for Crystal Growth

Formulation Sheet

HR2-214 (Page 2 of 2)

Ionic Liquid 13: 50% w/v 1,3-Dimethylimidazolium methyl sulfate

Purity: 99%

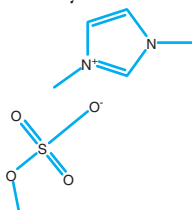
CAS Number: [97345-90-9]

M_r: 208.24

Molecular Formula: C₆H₁₂N₂O₄S

Cation: 1,3-Dimethylimidazolium

Anion: Methyl sulfate



Ionic Liquid 19: 50% w/v 1-Butyl-3-methylimidazolium tetrafluoroborate

Purity: 99%

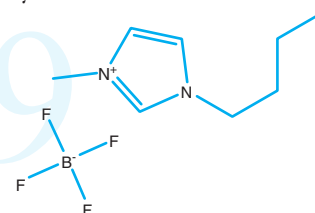
CAS Number: [174501-65-6]

M_r: 226.03

Molecular Formula: C₈H₁₅BF₄N₂

Cation: 1-Butyl-3-methylimidazolium

Anion: Tetrafluoroborate



Ionic Liquid 14: 50% w/v 1-Butyl-3-methylimidazolium methyl sulfate

Purity: 95%

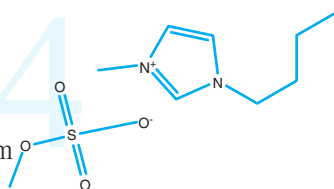
CAS Number: [401788-98-5]

M_r: 250.32

Molecular Formula: C₉H₁₈N₂O₄S

Cation: 1-n-Butyl-3-methylimidazolium

Anion: Methyl sulfate



Ionic Liquid 20: 50% w/v 1-Butyl-3-methylimidazolium trifluoroacetate

Purity: 99%

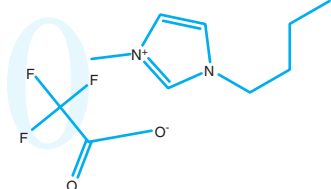
CAS Number: [174899-94-6]

M_r: 252.24

Molecular Formula: C₁₀H₁₅F₃N₂O₂

Cation: 1-Butyl-3-methylimidazolium

Anion: Trifluoroacetate



Ionic Liquid 15:

50% w/v 1-n-Butyl-3-methylimidazolium n-octylsulfate

Purity: 99%

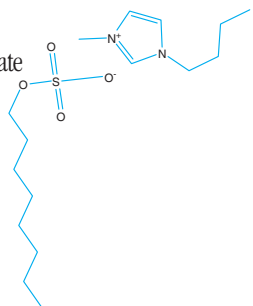
CAS Number: [445473-58-5]

M_r: 348.51

Molecular Formula: C₁₆H₃₂N₂O₄S

Cation: 1-n-Butyl-3-methylimidazolium

Anion: n-Octylsulfate



Ionic Liquid 21:

50% w/v 1-Ethyl-3-methylimidazolium trifluoromethanesulfonate

Purity: 99%

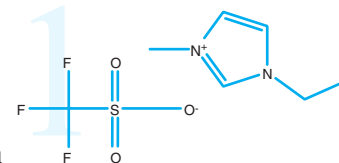
CAS Number: [145022-44-2]

M_r: 260.24

Molecular Formula: C₇H₁₁F₃N₂O₃S

Cation: 1-Ethyl-3-methylimidazolium

Anion: Trifluoromethanesulfonate



Ionic Liquid 16: 50% w/v 1-Ethyl-3-methylimidazolium thiocyanate

Purity: 98%

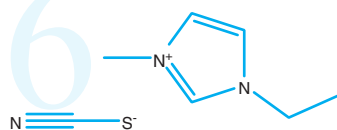
CAS Number: [331717-63-6]

M_r: 169.25

Molecular Formula: C₇H₁₁N₃S

Cation: 1-Ethyl-3-methylimidazolium

Anion: Thiocyanate



Ionic Liquid 22: 50% w/v Tetrabutylphosphonium bromide

Purity: 95%

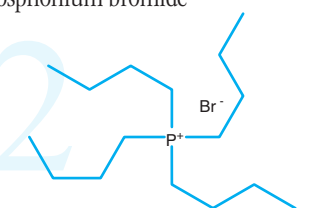
CAS Number: [3115-68-2]

M_r: 339.34

Molecular Formula: C₁₆H₃₆BrP

Cation: Tetrabutylphosphonium

Anion: Bromide



Ionic Liquid 17:

50% w/v 1-Ethyl-3-methylimidazolium tetrafluoroborate

Purity: 98%

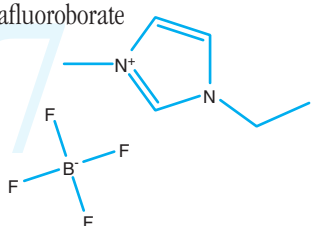
CAS Number: [143314-16-3]

M_r: 197.97

Molecular Formula: C₆H₁₁BF₄N₂

Cation: 1-Ethyl-3-methylimidazolium

Anion: Tetrafluoroborate



Ionic Liquid 23:

50% w/v Triisobutylmethylphosphonium tosylate

Purity: 95%

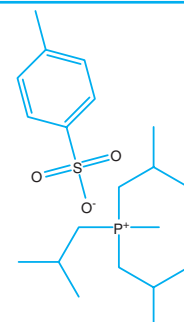
CAS Number: [344774-05-6]

M_r: 388.55

Molecular Formula: C₂₀H₃₇O₃PS

Cation: Triisobutylmethylphosphonium

Anion: Tosylate



Ionic Liquid 18: 50% w/v 1-Butyl-2,3-dimethylimidazolium tetrafluoroborate

Purity: 99%

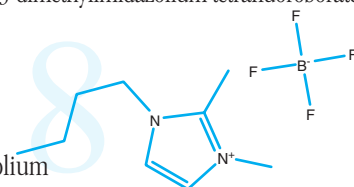
CAS Number: [402846-78-0]

M_r: 240.05

Molecular Formula: C₉H₁₇BF₄N₂

Cation: 1-Butyl-2,3-dimethylimidazolium

Anion: Tetrafluoroborate



Ionic Liquid 24: 50% w/v 1-Butylpyridinium chloride

Purity: 98%

CAS Number: [1124-64-7]

M_r: 171.67

Molecular Formula: C₉H₁₄ClN

Cation: 1-Butylpyridinium

Anion: Chloride

