

STREM CYPHOS® IL Phosphonium Salt Kit

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96-6520 Ionic Liquid Kit 3: CYPHOS® IL Phosphonium Salt Kit

Contains 10g of each of the following items listed below:

15-6370	Trihexyl(tetradecyl)phosphonium bis(trifluoromethanesulfonyl)amide, min. 97% CYPHOS® IL 109 [460092-03-9] [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ [(CF ₃ SO ₂) ₂ N] ⁻ ; FW: 764.00; colorless liq.	10g 50g
15-6374	Trihexyl(tetradecyl)phosphonium bis(2,4,4-trimethylpentyl)phosphinate, min. 93% CYPHOS® IL 104 [465527-59-7] [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ [(CH ₃) ₃ CCH ₂ CH(CH ₃)CH ₂] ₂ P(O)O] ⁻ ; FW: 773.27; pale yellow liq.; d. 0.887	10g 50g
15-6378	Trihexyl(tetradecyl)phosphonium bromide, min. 95% CYPHOS® IL 102 [654057-97-3] [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ Br ⁻ ; FW: 563.76; pale yellow liq.; d. 0.952	10g 50g
15-6382	Trihexyl(tetradecyl)phosphonium chloride, min. 93% CYPHOS® IL 101 [258864-54-9] [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ Cl ⁻ ; FW: 519.31; colorless liq.; d. 0.894	10g 50g
15-6386	Trihexyl(tetradecyl)phosphonium decanoate, min. 95% CYPHOS® IL 103 [465527-65-5] [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ [CH ₃ (CH ₂) ₈ COO] ⁻ ; FW: 655.11; pale yellow semi solid; m.p. 24°; d. 0.883	10g 50g
15-6390	Trihexyl(tetradecyl)phosphonium dicyanamide, min. 95% CYPHOS® IL 105 [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ [NCNHCN] ⁻ ; FW: 550.91; pale yellow liq.	10g 50g
15-6394	Trihexyl(tetradecyl)phosphonium hexafluorophosphate, min. 98% CYPHOS® IL 110 [374683-44-0] [(C ₆ H ₁₃) ₃ (C ₁₄ H ₂₉)P] ⁺ PF ₆ ⁻ ; FW: 628.82; white solid; m.p. 50°; d. 1.013	10g 50g

Others Available

15-1322	Tetraoctylphosphonium bromide, min. 95% [23906-97-0] C ₃₂ H ₆₈ BrP; FW: 563.76; white to yellow, waxy solid <i>hygroscopic</i>	5g 25g
15-1330	Tributyl(ethyl)phosphonium diethylphosphate, 95% [20445-94-7] C ₁₈ H ₄₂ O ₄ P ₂ ; FW: 384.47; colorless to pale-yellow liq.; d. 1.007 <i>hygroscopic</i>	5g 25g
15-1327	Tributyl(methyl)phosphonium methylsulfate, min. 95% [69056-62-8] C ₁₄ H ₃₃ O ₄ PS; FW: 328.18; white solid to pale-yellow liq. HAZ	5g 25g
15-1324	Tri-<i>i</i>-butyl(methyl)phosphonium tosylate, min. 95% [374683-35-9] C ₂₀ H ₃₇ O ₃ PS; FW: 388.54; white to yellow, waxy solid; d. 1.1	5g 25g
15-5960	Tributyl(tetradecyl)phosphonium dodecylbenzenesulfonate, min. 98% CYPHOS® IL 201 [(C ₄ H ₉) ₃ (C ₁₄ H ₂₉)P] ⁺ [(C ₁₂ H ₂₅ C ₆ H ₄ SO ₃)] ⁻ ; FW: 725.18; light yellow liq.	10g 50g
15-5970	Tributyl(tetradecyl)phosphonium methanesulfonate, min. 98% CYPHOS® IL 203 [(C ₄ H ₉) ₃ (C ₁₄ H ₂₉)P] ⁺ CH ₃ SO ₃ ⁻ ; FW: 494.80; light yellow liq.	10g 50g

Technical Note:

1. *The Strem Chemiker*, Vol. XX, No. 1, June, 2003 for technical article.

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