Polysciences, Inc.
Chemistry beyond the ordinary

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Quaternary Ammonium Polymers

Water-soluble quaternary ammonium polymers interact strongly with anionic substances of all sorts, monomeric and polymeric compounds, fibers and surfaces. Depending upon the ratio of anionic compounds and the quaternary ammonium polymer and factors such as molecular weight and hydrophobicity, the polysalts formed may be soluble or insoluble. Quaternary ammonium polymers adsorbed on anionic surfaces are generally capable of retaining anionic substances from solution.

Polysciences offers quaternary ammonium polymers of several structural types. For many of these polymers, the corresponding tertiary amine polymers are also available.

Additional quaternary ammonium polymers are planned. Please inquire about composition of interest to you.

Ordering Information

Cat.#	Description	Size
19898	**Poly(diallyldimethylammonium chloride)** [26062-79-3], MW 240,000, 20% solids in water	250g
17338	MW 240,000, dry powder	10g
21480	**Poly[(3-chloro-2-hydroxypropyl)methacryloxyethyl dimethyl-ammonium chloride)** MW 50,000, 20% solids in water Reactive after activation with mild alkali.	10g
21743	**Poly(acrylamide-methacryloxyethyltrimethyl-ammonium bromide 80:20)** MW 50,000, 20% solids in water, x = $CONH_2$	10g
21744	**Poly(butyl acrylate-methacryloxyethyltrimethyl-ammonium bromide 80:20)** MW 50,000, 20% solids in water, x = $COOC_4H_9$	10g

Cat.#	Description	Size
21478	**Poly(1-methyl-4-vinylpyridinium bromide)** MW 50,000 20% solids in water	10g
21477	**Poly(1-methyl-2-vinylpyridinium bromide)** MW 50,000, 20% solids in water	10g
21479	**Poly(methyacryloxyethyltriethylammonium bromide)** MW 50,000, 20% solids in water	10g
21746	MW 200,000, 20% solids in water	10g

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