

# Ion Pair Chromatography Reagents

Separating and analysing ionic compounds or very polar compounds is very difficult on a reversed phase column in HPLC. In these cases, it is advisable to use ion pair chromatography reagents. Ion pair reagents are large ionic molecules with an opposite charge to the analyte and an hydrophobic part that allows the interaction with the stationary phase.



## The ion pair chromatography is a technique that:

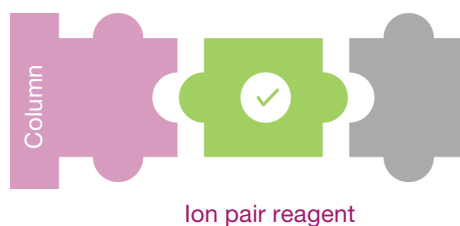
- Improves peak shapes
- Increases the resolution
- Optimises peaks symmetry
- Allows the separation in ionic samples
- Provides highly reproducible results



Without ion pair reagent



With ion pair reagent



The current techniques and detectors have a high sensibility and can detect any impurity that comes from the ion pair reagent. Scharlab's ion pair reagents are submitted to rigorous testing to assure high quality and their suitability in chromatographic techniques.

- Minimum UV absorption
- Transparency to 200 nm, even at high concentration
- Absence of insoluble matter
- Absence of non-absorbent redox impurities

Scharlab offers a wide range of ion pair reagents with high purity and lacking of UV absorption that allow a high sensibility of the sample.

Description	Packaging	Art. number
1-Butane sulfonic acid, sodium salt, HPLC grade	25 g	AC06010100
	100 g	AC06010025
1-Decane sulfonic acid, sodium salt, HPLC grade	25 g	AC08010025
	100 g	AC08010100
1-Heptane sulfonic acid, sodium salt, HPLC grade	25 g	AC12410025
	100 g	AC12410100
1-Heptane sulfonic acid, sodium salt monohydrate, HPLC grade	25 g	AC12420025
	100 g	AC12420100
1-Hexane sulfonic acid, sodium salt, HPLC grade	25 g	AC12460025
	100 g	AC12460100
1-Hexane sulfonic acid, sodium salt monohydrate, HPLC grade	25 g	AC12470025
	100 g	AC12470100
1-Octane sulfonic acid, sodium salt, HPLC grade	25 g	AC17010025
	100 g	AC17010100
1-Octane sulfonic acid, sodium salt monohydrate, HPLC grade	25 g	AC17020025
	100 g	AC17020100
1-Pentane sulfonic acid, sodium salt, HPLC grade	25 g	AC17410025
	100 g	AC17410100
1-Pentane sulfonic acid, sodium salt monohydrate, HPLC grade	25 g	AC17450025
	100 g	AC17450100
Sodium lauryl sulfate, for ion-pair chromatography	25 g	SO04560025
	100 g	SO04560100
Tetrabutylammonium hydrogen sulfate, for ion-pair chromatography	25 g	TE01200010
	100 g	TE01200100



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