

# Product Information

**CARLO ERBA**

REAGENTS

**Chemicals**

## Ion pair reagents

Ion Pair Chromatography was developed to allow the separation of complex mixtures of polar and ionic molecules, which often are not well separated by ion exchange chromatography. The selectivity is determined by the mobile phase: the organic eluent is supplemented with a specific ion-pairing reagent. The IPC reagents are large ionic molecules having a charge opposite to the targeted analyte, as well as a hydrophobic region to interact with the stationary phase. The counter-ion combines with the ions of the eluent, becoming ion pairs in the stationary phase. Ion pairs are then separated on Reverse-phase HPLC columns.

### Benefits of CARLO ERBA ion-pair reagents

The purity of the mobile phase and therefore the accuracy of the results depend on the quality of the additive. The specifications of our ion pair reagents are in line with the requirements of Reverse-phase HPLC:

=> High purity  $\geq$  99%  
=> Controlled pH

=> Minimum UV absorption in the far UV  
=> Loss on drying

**CARLO ERBA Reagents selected ion pair reagents (straight-chain alkyl sulfonic acids) most commonly used for your basic samples.**

Product	CAS number	25g	100 g
1-Butanesulfonic acid sodium salt	2386-54-1	405631	405632
1-Decanesulfonic acid sodium salt	13419-61-9	405871	405872
1-Dodecanesulfonic acid sodium salt	2386-53-0	405881	405882
1-Heptanesulfonic acid sodium salt	22767-50-6	405851	405852
1-Hexanesulfonic acid sodium salt	2832-45-3	405621	405622
1-Hexanesulfonic acid sodium salt monohydrate	207300-91-2	405921	405922
1-Octanesulfonic acid sodium salt	5324-84-5	405861	405862
1-Octanesulfonic acid sodium salt monohydrate	207596-29-0	405931	405932
1-Pentanesulfonic acid sodium salt	22767-49-3	405841	405842
1-Pentanesulfonic acid sodium salt monohydrate	207605-40-1	405891	405892
1-Propanesulfonic acid sodium salt	14533-63-2	405901	405902

Product	Ident	Promocija	Price rsd
1-Hexanesulfonic acid sodium salt monohydrate 25g	405921		5.000,00 rsd
1-Octanesulfonic acid sodium salt monohydrate 25	405931		5.000,00 rsd
1-Heptanesulfonic acid sodium salt 25g	405851		5.000,00 rsd
1-Hexanesulfonic acid sodium salt monohydrate 100g	405922		16.000,00 rsd

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