

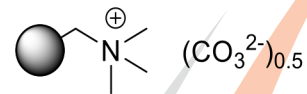
Carbonate (CO₃)

Carbonate Resin, MP, is a macroporous resin functionalized with a tetraalkylammonium carbonate end group. It is a widely utilized basic reagent for the quenching and neutralization of acidic media derived from a variety of organic transformations and purification techniques.

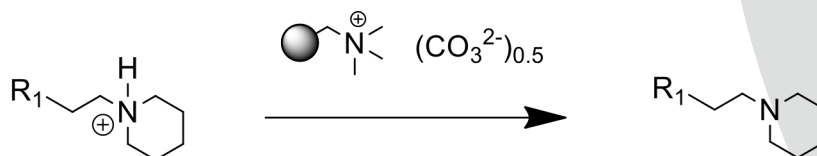
It is highly effective in freebasing amines isolated from an acid buffered HPLC purification. This allows researchers to proceed confidently knowing that any acid sensitive functionality will remain unaltered during concentration and/or storage.

Carbonate has also shown significant utility in amide coupling reactions by scavenging a variety of acidic molecules including carboxylic acids, acidic phenols and HOBT. The simple filter and concentrate protocols which result from incorporating MP-CO₃ allows one to generate reactions, which require no exposure to water. This reduces the likelihood of losing precious small molecules in aqueous environments.

It has also found use in ether synthesis, providing products simply via filtration and concentration. Supported carbonate has shown the ability to scavenge boronic acids.



General Reaction



References

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Solvent Compatibility

THF
DMF
NMP
DCM
DCE
ACN
MeOH
EtOH

Ordering Information

MP-Carbonate

Loading: 2.5-2.8 mmol/g	10g	SPMP 03-10
	25g	SPMP 03-25
Bead size: 330-1225 microns, 15-50 mesh (>90% within)	100g	SPMP 03-100
	1Kg	SPMP 03-1kg