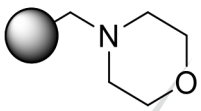
Morpholine (NMM)

Supra Sciences

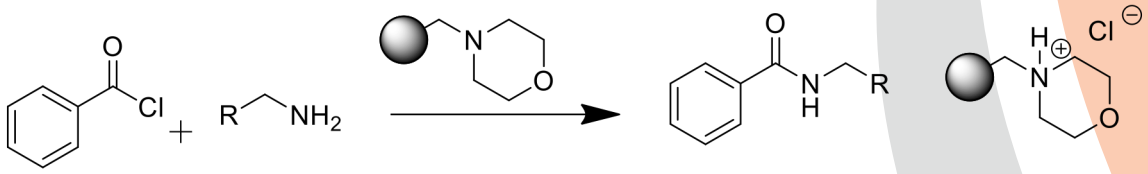


Morpholine Resin, MP, is a macroporous polystyrene resin functionalized with a morpholine end group. It is a polymer bound equivalent of N-methylmorpholine (NMM) and is capable of all reactions associated with its non-bound counterpart.

Morpholine Resin, PS, is a gel-type polystyrene resin functionalized with a morpholine end group.

It is commonly utilized as an acid scavenger useful for sequestering acidic residues as they are generated during reactions. Simple filtration provides the desired products while acids remain bound to the polymer. Its widely applied during the acylation and sulfonylation of amines but is competent in all environments where acid is generated and needs removal.

General Reaction



References

Booth, R. J. *J. Am. Chem. Soc*. **1997**, *119*, 4882-4886
Creswell, M. W. *Tetrahedron* **1998**, *54*, 3983-3998
Blackburn, C. *Tetrahedron. Lett*. **1998**, *39*, 3635-3638
Booth, R. J. *Acc. Chem. Res.* **1999**, *32*, 18-26
Takayangi, M. *J Org. Chem*. **2000**, *65*, 3811-3815
Contour-Galcéra, M. *Bioorg. Med. Chem. Lett*. **2001**, *11*, 741-745
Hon, Y. S. *Tetrahedron*. **2003**, *59*, 493-498.

Solvent Compatibility

MP:	PS:
THF	THF
DMF	DMF
NMP	NMP
DCM	DCM
DCE	DCE
MeOH	
EtOH	

Ordering Information

MP-Morpholine

Loading: 3.4-3.6 mmol/g	10g	SPMP 31-10
	25g	SPMP 31-25
Bead size: 330-1225 microns, 15-50 mesh	100g	SPMP 31-100
(>90% within)	1Kg	SPMP 31-1kg

PS-Morpholine

Loading: 0.9-1.0mmol/g	10g	SPPS 32-10
	25g	SPPS 32-25
Bead size: 100-200 mesh	100g	SPPS 32-100
	1Kg	SPPS 32-1kg