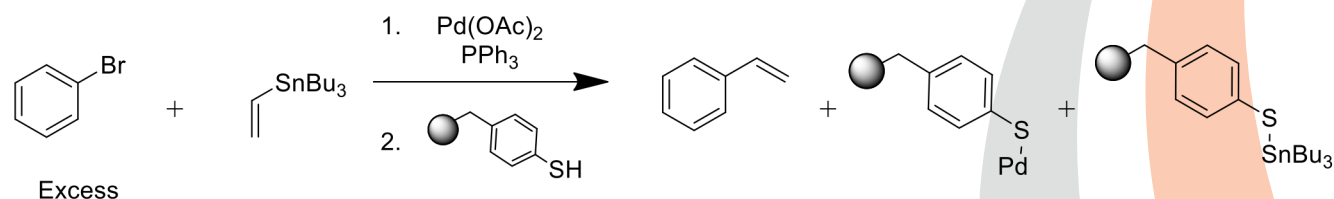


Thiol (SH)

Thiol Resin, MP, is a macroporous polystyrene resin functionalized with a thiophenol end group. Silica Thiol is a silica based alkyl thiol. Both of these reagents are exceptional scavengers of organometallic reagents with their affinity for Pd(II) being particularly noteworthy. MP/silica thiol is also extremely efficient in its ability to scavenge other transition metals such as Sn, Pb, Pt, Cu, Rh, Ru, Ag and Hg. With this wide variety of sequestration capabilities, it is usually the first line scavenger when low ppm residual concentrations are required. Silica thiol has also shown proficiency in scavenging a variety of electrophiles including alkyl halides, isocyanates and acid chlorides.

General Reaction



References

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Barco, A. *Chem.Lett.* **2000**, *29*, 1218-1219
Liu A. M. *Chem. Comm.*, **2000**, 1145-1146
Garret, C. E. *Adv. Synth. Catal.* **2004**, *346*, 889-900
Ryberg, P. *Org. Process Res. Dev.*, **2008**, *12*, 540-543
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Ordering Information

MP-Thiol

Loading: 4.8-5.0 mmol/g	10g	SPMP 06-10
	25g	SPMP 06-25
Bead size: 330-1225 microns, 15-50 mesh (>90% within)	100g	SPMP 06-100
	1Kg	SPMP 06-1kg

Thiol-Fine

Loading: 2.4-2.5 mmol/g	10g	SPMP 16-10
	25g	SPMP 16-25
Bead size: 100-200 mesh	100g	SPMP 16-100
	1Kg	SPMP 16-1kg

Si-Thiol

Loading: 1.0-1.2 mmol/g	10g	SPSi 19-10
	25g	SPSi 19-25
Bead size: Avg 40-62 microns	100g	SPSi 19-100
	1Kg	SPSi 19-1kg

Solvent Compatibility

MP:	THF	Silica:	THF
	DMF		DMF
	NMP		NMP
	DCM		DCM
	DCE		DCE
	MeOH		ACN
	EtOH		