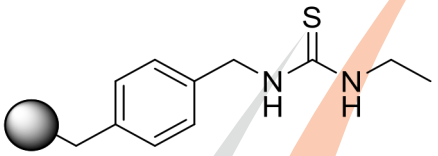
Thiourea (ThU)

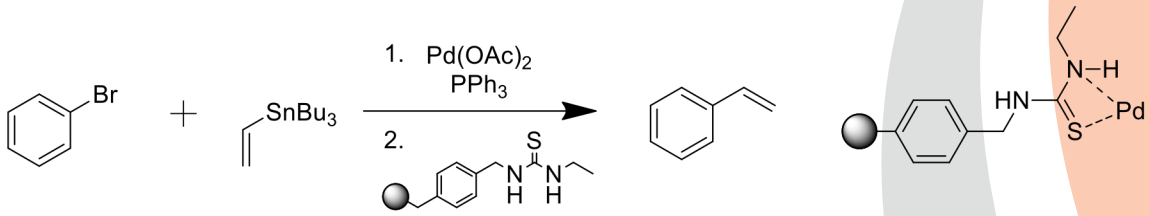
Supra Sciences

Thiourea Resin, MP, is a macroporous polystyrene resin functionalized with a thiourea end group. Silica Thiourea is a silica based alkyl thioruea. Both of these reagents are exceptional scavengers of organometallic reagents with the ability to sequester Pd(0) being particularly noteworthy. MP/silica thiourea is also extremely efficient in its ability to scavenge other transition metals such as Pt, Ru, V, Ag and Hg.



It has also found use as a reagent for hydrogenolysis of endoperoxides as well as functionality as a catalyst once complexed to a transition metal.

General Reaction



References

Warmus, J. S. *Bioorg. Med. Chem. Lett*. **1998**, *8*, 2309-2314.
Bicak, N. *React. Funct. Polym*. **2003**, *54*, 141-147.
Vickerstaffe, E. *J. Comb. Chem*. **2005**, *7*, 385-397.

Solvent Compatibility

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

Ordering Information

MP-Thiourea

Loading: 3.4-3.6 mmol/g	10g	SPMP 07-10
	25g	SPMP 07-25
Bead size: 330-1225 microns, 15-50 mesh	100g	SPMP 07-100
(>90% within)	1Kg	SPMP 07-1kg

Thiourea-Fine

Loading: 1.7-1.8 mmol/g	10g	SPMP 17-10
	25g	SPMP 17-25
Bead size: 100-200 mesh	100g	SPMP 17-100
	1Kg	SPMP 17-1kg

Si-Thiourea

Loading: 0.7-0.9 mmol/g	10g	SPSi 21-10
	25g	SPSi 21-25
Bead size: Avg. 40-62 microns	100g	SPSi 21-100
	1Kg	SPSi 21-1kg