

Nexgen Purifications - Metal Scavenging Thiopropyl

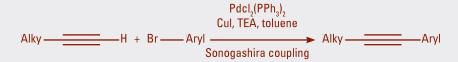


Loading: 1.6 mmol/g Surface Area: 500 m²/g Average Pore Size: 60Å Pore Volume: 0.77 cm³/g

Metals Targeted

Best Metals Scavenged: Ag, Hg, Os, Pd & Ru Good Metals Scavenged: Cu, Ir, Pb, Rh & Sn

Case Study: Removal of Palladium from Sonogashira Coupling Reaction Using Various Metal Scavengers



Scavenger name	Pd in toluene solution (ppm)	Pd with respect to substrate (ppm)
No Scavenger (Control)	45.0	1800
Nexgen Purifications Silica	Thiopropyl <3	< 120
Nexgen Purifications Silica	Triamine 3.9	156
Competitor 1 MTcf	< 3	< 120
Competitor 1 SPM32-f	3.0	120
Competitor 1 SPM32	< 3	< 120
Competitor 1 SPM36-f	4.9	196
Competitor 1 SEM 26	4.0	160
Competitor 1 SPM36	6.7	268
Competitor 1 SEA	4.7	188
Competitor 1 STA 3	4.9	196
Competitor 2 MP	5.4	216
Competitor 2 TA	6.2	248
Competitor 2 AP	4.4	176
Competitor 3 Thiourea	< 3	< 120
Competitor 3 -Thiol	5.0	200
Competitor 3 DMT	4.0	160
Competitor 3 diamine	7.4	296
Competitor 3 triamine	5.0	200
Competitor 4 -TU	20.5	820
Competitor 4-BZA	16.2	648
Competitor 5 SA-FC Si-1	8.6	344

^{*}All samples were incubated overnight at ambient temperature before filtration and all of them received 50 wt% loading of scavenger.

YMC CO., LTD. YMC Karasuma-Gojo Bld. 284 Daigo-cho, Karasuma Nishiiru Gojo-dori Shimogyo-ku, Kyoto 600-8106 Japan Phone +81(0)75-342-4515, FAX +81(0)75-342-4550 www.ymc.co.jp

YMC (India) Private Limited

Head Office: A-154-155, 1st Floor, Eros Boulevard, Hotel Crown Plaza, Mayur Vihar Phase-1, New Delhi - 110091

Contact No: 011-45041601/701 E-mail: sales@ymcindia.com



YMC (India) Private Limited Plot No : 78/A/6, Phase VI, Industrial Park, Jeedimetala, Gajularamaram Village, Quthbullapur, Medchal, Hyderabad. Contact: +91 7893811309 / +91 7893811700 Email: labsupport@ymcindia.com

