

TCI's Manufacturing Experience

Reagents	Amounts	Scale	Reagents	Amounts	Scale
Coupling Reaction			Cyanation		
AlCl ₃	60kg	500L	CuCN	40kg	500L
Grignard Reaction			KCN	100kg	500L
Mg / EtBr	30kg / 130kg	2000L	NaCN	35kg	500L
Halogenation			NaCN / CuCl	90kg / 15kg	1000L
Cl ₂ / Light	100kg	500L	Nitrosation		
POCl ₃	440kg	1000L	NaNO ₂	30kg	500L
SOCl ₂	600kg	2000L	Nitration		
Br ₂	260kg	2000L	HNO ₃	645kg	3000L
PBr ₃	100kg	500L	Fuming HNO ₃	100kg	2000L
I ₂	21kg	1000L	Fuming HNO ₃ / H ₂ SO ₄	280kg / 50kg	2000L
Reduction			Diazotization		
Triethylsilane	19.3kg	300L	NaNO ₂	25kg	1000L
LAH / THF	2.5kg	200L	Azidation		
NaBH ₄	25kg	3000L	NaN ₃	8kg	500L
Oxidation			Metal-catalyzed Reaction		
KMnO ₄	400kg	3000L	Pd(0)(PPh ₃) ₄	150g	100L
OsO ₄	5g	300L	Pd ₂ (dba) ₃	30g	200L
Pd / C	2.5kg	500L	NiCl ₂ (PPh ₃) ₂	1kg	500L
H ₂ O ₂	270kg	2000L	Reaction with Phosphorus Compounds		
HNO ₃ (67.5%)	215kg	500L	PCl ₅	114kg	2000L
Lithiation			POCl ₃	440kg	1000L
BuLi	27kg	500L	Others		
n-BuLi	26kg	200L	Dimethyl Sulfate	280kg	2000L
tert-BuLi / THF (low temperature)	13kg	200L	Chlorosulfonic Acid	325kg	500L
tert-BuLi (in situ generation)	1.8kg (Li)	500L	NaNO ₂	120kg	2000L
			Me ₃ SiCl	13kg	200L
			H ₂ SO ₄	430kg	500L
			Propylene Oxide	175kg	2000L
			Bromomethane	100kg	500L

We can synthesize your developed compounds using various reactions. Please contact us.

Ordering and Customer Service

TCI AMERICA

Tel : 800-423-8616 • 503-283-1681
Fax : 888-520-1075 • 503-283-1987
E-mail : Sales-US@TCIchemicals.com

East Coast Office

Tel : 781-239-7515
Fax : 781-239-7514

TCI EUROPE N.V.

Tel : +32 (0)3 735 07 00
Fax : +32 (0)3 735 07 01
E-mail : Sales-EU@TCIchemicals.com

TCI Deutschland GmbH

Tel : +49 (0)6196 64053-00
Fax : +49 (0)6196 64053-01
E-mail : Sales-DE@TCIchemicals.com

Tokyo Chemical Industry UK Ltd.

Tel : +44 (0)1865 784560
Fax : +44 (0)1865 784561
E-mail : Sales-UK@TCIchemicals.com

TCI Chemicals (India) Pvt. Ltd.

Tel : +91 (0)44-2262 0909
Fax : +91 (0)44-2262 8902
E-mail : Sales-IN@TCIchemicals.com

梯希爱(上海)化成工业发展有限公司

Tel : 800-988-0390 • 021-67121386
Fax : 021-6712-1385
E-mail : Sales-CN@TCIchemicals.com

TOKYO CHEMICAL INDUSTRY CO., LTD.

Tel : +81 (0)3-5640-8878
Fax : +81 (0)3-5640-8902
E-mail : globalbusiness@TCIchemicals.com

Availability, price or specification of the listed products are subject to change without prior notice. Reproduction forbidden without the prior written consent of Tokyo Chemical Industry Co., Ltd.