

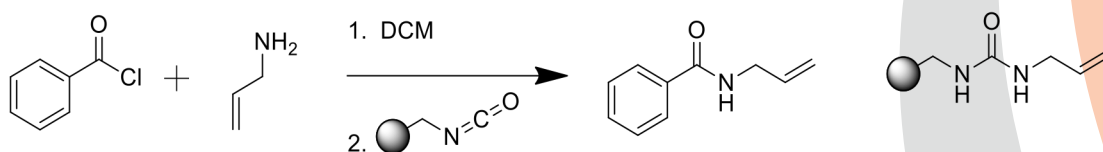
# Isocyanate (NCO)

Isocyanate Resin, PS, is a gel-type polystyrene resin functionalized with an isocyanate end group. This reagent has shown proficiency in the scavenging of primary and secondary amine containing compounds.

Driving reactions to completion by the addition of excess amine is a common trick to improve the outcome of synthetic routes. Isocyanate resins have been utilized in scavenging excess amines from reductive aminations, as well as amide coupling reactions.

This highly capable reagent is also efficient in removing other nucleophiles from reaction media. Thiols, alcohols and some anilines are effectively scavenged. The high reactivity of this material does have its limitations in that nucleophilic solvents pose compatibility issues.

## General Reaction



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## Solvent Compatibility

THF  
DMF  
NMP  
DCM  
DCE

## Ordering Information

### PS-Isocyanate

Loading: 0.9-1.1 mmol/g	10g	SPPS 39-10
	25g	SPPS 39-25
Bead size: 100-200 mesh	100g	SPPS 39-100
	1Kg	SPPS 39-1kg