## Traceless solid phase synthesis of 2-substituted pyrimidines using an 'off-the-shelf' chlorogermane-functionalised resin

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## Abstract

The parallel solid phase synthesis of an 18-member library of 2-substituted pyrimidines is described using a chlorogermane-functionalised resin. The success of the key Pinner-type condensations between a resin-bound enaminone and an array of amidine hydrochlorides highlights the stability of arylgermane linkers (cf. arylsilanes) towards strongly basic/nucleophilic conditions.

## Indexed keywords

**Engineering controlled terms:** Chlorine compounds; Condensation; Infrared spectroscopy; Microanalysis; Nuclear magnetic resonance spectroscopy; Organic compounds; Resins; Structure (composition); Substitution reactions; Synthesis (chemical)

**Engineering uncontrolled terms:** Amidine hydrochloride; Chlorogermane-functionalized resin; Pyrimidine; Solid phase synthesis

Engineering main heading: Nitrogen compounds