



Your Future Chemistry Available Today!

Your chemistry solution in the following areas:

- ▣ Petrochem
- ▣ Fine Chemical
- ▣ Catalyst Testing
- ▣ Agrochemical
- ▣ Pharmaceutical/Biological
- ▣ Food
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Different size of CatCarts, Loops and Materials:

CatCart® 70 mm	(T_{max} = 350 °C, single heating)
CatCart® 30 mm	(T_{max} = 350 °C, single heating)
ExCatCart 250 mm	(T_{max} = 450 °C, metal-metal sealing)
ExCatCart 125 mm	(T_{max} = 450 °C, metal-metal sealing)
MidiCart™	(T_{max} = 150 °C)
Teflon loop	(T_{max} = 150 °C, p_{max} = 20 bar)
SS/Hastelloy loop	(T_{max} = 450 °C)

Who should be interested:

- ▣ Chemists that have reached a dead end in their chemistry and have no other options using conventional batch apparatus.
- ▣ Chemists interested in making novel compounds from a parameter space not achievable on standard lab equipment.

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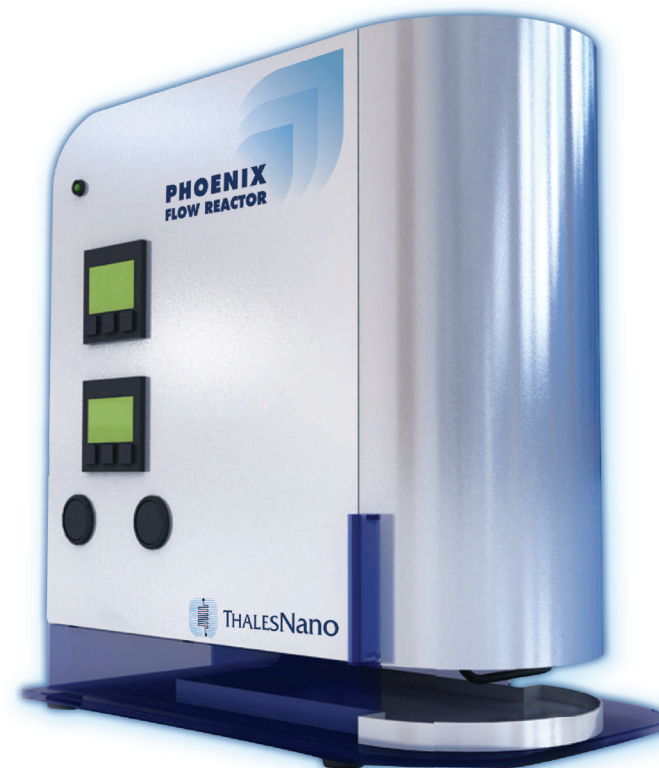
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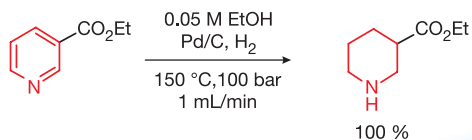


- ▣ New Parameter Space!
- ▣ New Chemistry!
- ▣ New Reactor!

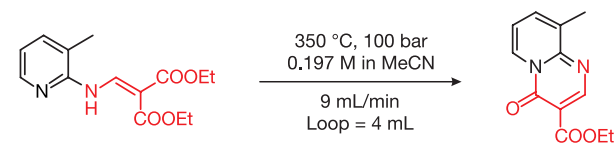
Your Future Chemistry Available Today!

Multifunctional Module Compatible with H-Cube Pro™, H-Cube Midi™ and X-Cube™.

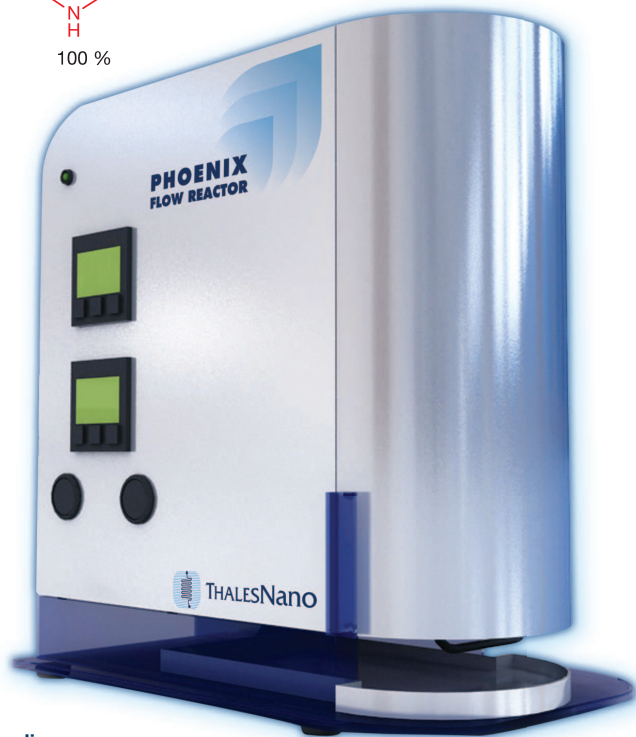
Difficult Hydrogenation



Novel Heterocycle Synthesis



Isolated yield: 51.51 %
NMR purity: >95 %



Powerful:

Up to 450 °C temperature capability.

Versatile:

Perform reactions in a loop homogeneously or use a range of different cartridges for heterogeneous reagents/catalyst chemistry.

Innovative:

Perform chemistries not possible in a standard lab including a validated procedure to generate novel bicyclic compounds.

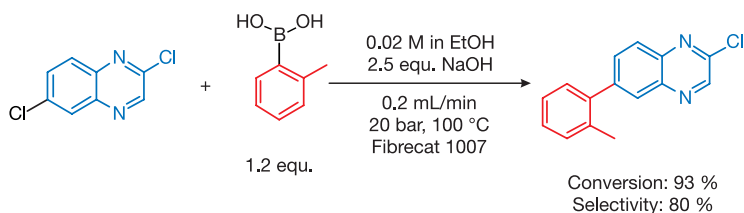
Fast:

Slow reactions in seconds.

Simple:

2 button stand-alone control or via automated touch screen control on H-Cube Pro™.

Selective C-C Coupling



Reaction Scale Up

