



## Vapourtec in action with reaction videos

Vapourtec has launched a series of 9 videos that aim to provide a guide to the operational procedures and system configurations that can be used to achieve efficient, reproducible and safe chemistry using our products

[Read more](#)

## Continuous flow Peptide synthesis offers improved inline data

In a new white paper from a collaboration with New Path Molecular Research, we demonstrate how the Vapourtec R-Series can be adapted to perform high throughput automated solid-phase peptide synthesis.

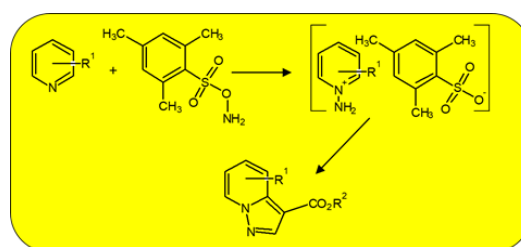
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vapourtec

&  
**STOLI**  
CATALYSTS

## Hydrogenation with catalytic tubing

Vapourtec have teamed up with Innovate UK award winners [Stoli Catalysts Ltd](#) to demonstrate their recently developed range of catalyst coated reactors for flow chemistry applications.



## Taming highly unstable reagent MSH

An excellent new paper by Brocklehurst et al., from the Synthesis and Technologies group at Novartis, demonstrates how the Vapourtec 4-pump R-Series can be used to generate and react highly unstable species in-situ, during the

preparation and consumption of a highly unstable reagent: O-mesitylsulfonylhydroxylamine (MSH).

[Read more](#)

[Read more](#)

## Events

### UK Automated

Uranium 92 <b>U</b> 238.03	Potassium 19 <b>K</b> 39.098
Arsenic 33 <b>As</b> 74.922	Fluorine 9 <b>F</b> 18.996

### Synthesis Forum



**UKASF 2017:** 7th - 8th November 2017, Northampton, United Kingdom

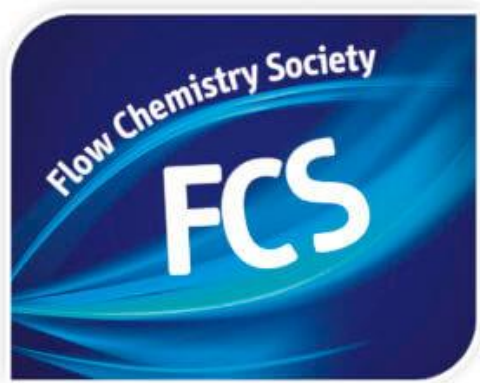
The UKASF is a scientific forum run by committee members from a range of companies. The organisation of our meeting is rotated and this year we are delighted that it will be hosted by Festo UK Ltd at their Applied Automation Centre.

[Read more](#)

**9th Symposium on continuous flow reactor technology for industrial applications:** - November 14th - 16th 2017

Benefit from the expert knowledge of academic and industry leaders who are pushing the boundaries of this rapidly evolving field and learn how you can transform your organic synthesis processes into a more streamlined, continuous set of synthesis operations.

[Read more](#)



FLOW CHEMISTRY  
PAVILION

Media partner:  
  CHEMISTRY TODAY

**Flow Chemistry Europe:** February  
6th – 8th 2018 in Cambridge UK

The Flow Chemistry Society is running their 7th annual European Conference. Benefit from the expert knowledge of academic and industry leaders and learn how you can transform your organic synthesis processes into a more streamlined, continuous set of synthesis operations.

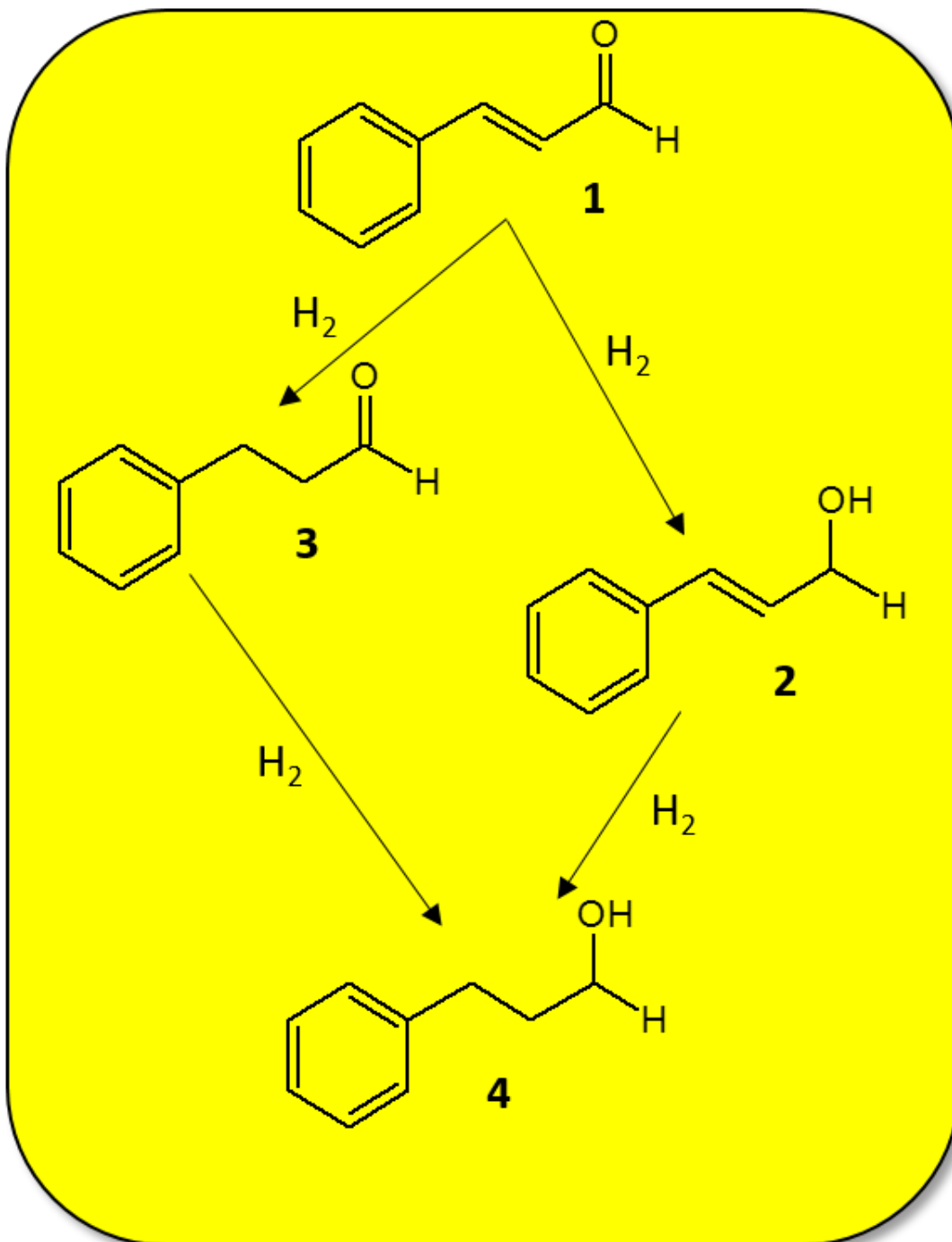
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**Achema:** 11th - 15 June 2018

At Achema 2018 (11-15th June, Frankfurt am Main, Germany) the new Flow Chemistry Pavilion will host the most advanced, innovative companies & knowledge institutes in the continuous manufacturing market, presenting an opportunity for visitors to learn more about this increasingly important topic

[Read more](#)

***New Applications***



### Selective hydrogenation with Stoli Catalysts reactor

Vapourtec have demonstrated a new range of catalyst-coated tube reactors for continuous flow selective hydrogenation.

[Read more](#)

## Publications



*In Situ Preparation and Consumption of O-Mesitylsulfonylhydroxylamine (MSH) in Continuous Flow for the Amination of Pyridines*

Cara E. Brocklehurst\*, Guido Koch, Stephanie Rothe-Pöllet, Luigi La Vecchia  
Synthesis and Technologies, Global Discovery Chemistry, Novartis Institutes for Biomedical Research, Klybeckstrasse 141, 4057 Basel, Switzerland

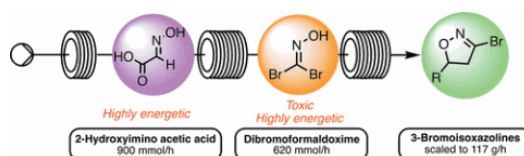
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*Highly efficient oxidation of amines to aldehydes with flow-based biocatalysis*

Dr. Martina L. Contente<sup>1,2</sup>, Federica Dall'Oglio<sup>3</sup>,  
Dr. Lucia Tamborini<sup>3</sup>, Prof. Francesco Molinari<sup>4</sup>,  
Prof. Francesca Paradisi<sup>1,2</sup>

[Read more](#)



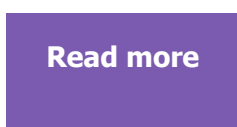


## Visible-light-induced trifluoromethylation of highly functionalized arenes and heteroarenes in continuous flow

*Irini Abdiaja, Cecilia Bottecchiab, Jesus Alcazar\*a, Timothy Noël\*b*

*a Janssen Research & Development, Jarama 75A, 45007 Toledo, Spain*

*b Department of Chemical Engineering and Chemistry, Micro Flow Chemistry & Process Technology, Eindhoven University of Technology, Den Dolech 2, 5612 AZ Eindhoven, The Netherlands*

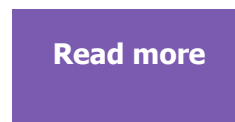


## Continuous Preparation and Use of Dibromoformaldoxime as a Reactive Intermediate for the Synthesis of 3-Bromoisoxazolines

**Claudio Battilocchio\*†**, **Francesco Bosica†**, **Sam M. Rowe†**, **Bruna L. Abreu†**, **Edouard Godineau\*‡**, **Matthias Lehmann‡**, and **Steven V. Ley†**

† Innovative Technology Centre, Department of Chemistry, University of Cambridge, Lensfield Road, Cambridge CB2 1EW, U.K.

‡ Syngenta Crop Protection AG, Crop Protection Research, Schaffhauserstrasse 101, CH-4332 Stein, Switzerland



## A convenient, mild and green synthesis of NH-sulfoximines in flow reactors

## Singlet oxygen oxidations in homogeneous continuous flow using a gas-liquid membrane reactor

Antonia Kouridaki, Kevin Huvaere

EcoSynth NV, Industrielaan 12, 9800 Deinze, Belgium

Leonardo Degennaro<sup>1</sup>, Arianna Tota<sup>1</sup>, Sonia De Angelis<sup>1</sup>, Michael Andresini<sup>1</sup>, Cosimo Cardellicchio<sup>2</sup>, Maria Annunziata Capozzi<sup>1</sup>, Giuseppe Romanazzi<sup>3</sup>, Renzo Luisi<sup>1</sup>

<sup>1</sup> University of Bari, Department of Pharmacy - Drug Sciences, Bari, Italy

<sup>2</sup> CNR ICCOM, Department of Chemistry, Bari, Italy

<sup>3</sup> Politecnico di Bari, DICATECh, Bari, Italy

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