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fullflow from Vapourtec

Welcome to the Winter 2016 issue of FullFlow, the flow chemistry newsletter from Vapourtec, a must-read for all Scientists interested in continuous processing applications and technology.

Product News



Not just for flow... see what else the SF-10 can do



Heated back pressure regulator

The innovative SF-10 is a highly chemically resistant peristaltic pump capable of delivering smooth flow at up to 10 bar pressure.

[Read more](#)

The heated back pressure regulator is able to maintain an elevated temperature through to collection point. The BPR is able to be heated to 150°C.

[Read more](#)



Custom reactors are cool

Vapourtec can now integrate with Julabo and Huber chillers. Flow Commander software can control set points and log temperature data via RS232 connection. Providing fully automated control even for larger and custom reactors.



Micromixer chip reactors

For small scale reactions and intensive mixing Vapourtec have 7 micromixer available that can be heated to 150°C and cooled to -40°C.

[Read more](#)

Read more

Latest News



Delft delivers for Vapourtec

The recent 8th Symposium on Continuous Flow Reactor Technology for Industrial Applications, held in Delft, Netherlands, proved a great success for Vapourtec with significant levels of interest in the [R-Series system](#) and [UV-150 photochemical reactor](#).

[Read more](#)

Events



21st International Conference on Organic Synthesis - December 11-16 2016 - IIT Bombay, Mumbai, India

We are glad to welcome you to the 21st International Conference on Organic Synthesis (ICOS 21) to be held in Mumbai, India from December 11th - 16th, 2016. ICOS, renowned for leveraging the research findings in organic synthesis, is marking its presence in India after a long span of 22 years



Flow Chemistry Europe - February 7-8 2017 - Cambridge, UK

The Flow Chemistry Society is delighted to announce their 7th annual European Conference. 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.

and we are ecstatic to unveil the 21st edition at IIT Bombay.

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[Read more](#)



Pittcon Conference & Expo - March 5-9 2017
- McCorminck Place, Chicago, IL, USA

This dynamic global event offers a unique opportunity to get a hands-on look at the latest innovations and to find solutions to all your laboratory challenges. The robust technical program offers the latest research in more than 2,000 technical presentations covering a diverse selection of methodologies and applications. Pittcon also offers more than 100 skill-building short courses in a wide range of topics and the once-a-year chance to network with colleagues.



AMERICAN CHEMICAL SOCIETY

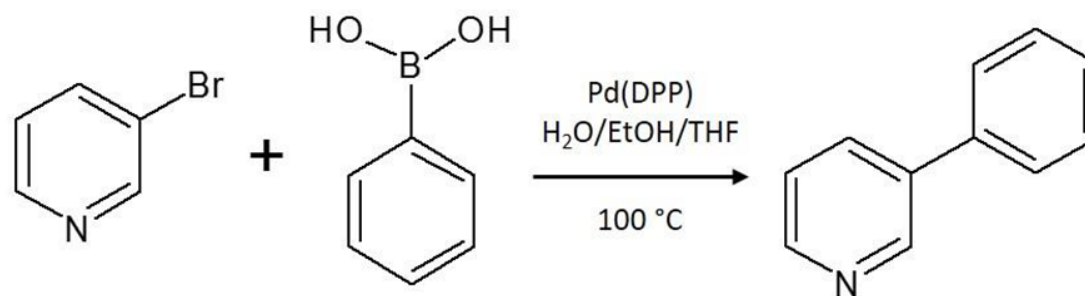
253rd ACS National Meeting & Exposition - April 2-6 2017 - San Francisco, CA, USA

The 253rd American Chemical Society National Meeting and Exposition will be held in San Francisco on April 2 – 6 2017. The meeting will focus on Advanced Materials, Technologies, Systems and Processes and will attract 11,000-14,000 chemists, chemical engineers, academics, graduate and postgraduate students from around the world.

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New Applications

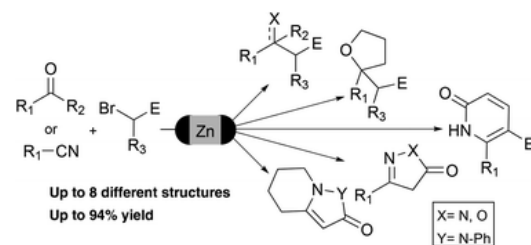


Suzuki Coupling with SiliaCat DPP-Pd Heterogeneous Catalyst

In this application, a Vapourtec R-Series has been used to achieve rapid reaction times and high conversion of a Suzuki coupling, using a commercially available supported palladium catalyst. This application demonstrates how the Vapourtec R-Series can be used as a tool for the synthetic flow chemist, or for a development chemist beginning the scale up process.

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Publications



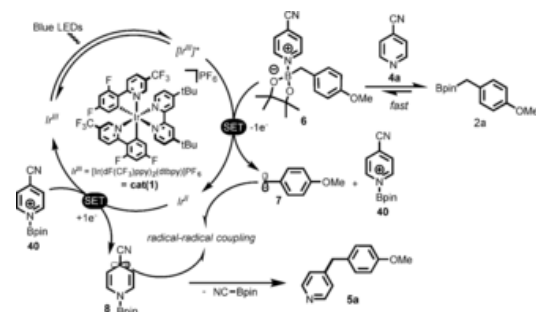
Reformatsky and Blaise reactions in flow as a tool for drug discovery. One pot diversity oriented synthesis of valuable intermediates and heterocycles

L. Huck, M. Berton, A. de la Hoz, A. Díaz-Ortiz, J. Alcázar

Green Chem., 2017, Advance Article

DOI: 10.1039/C6GC02619B

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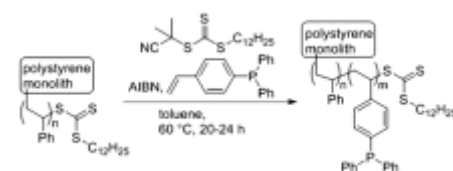
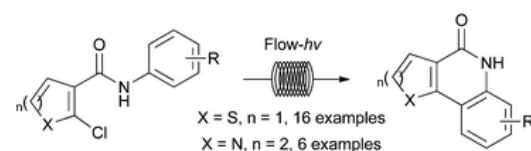
Visible light activation of Boronic Esters enables efficient photoredox C(sp²)-C(sp³) cross-couplings in flow

F. Lima, Dr. Mikhail A. Kabeshov, Dr. Duc N. Tran, Dr. Claudio Battilocchio, Dr. Joerg Sedelmeier, Dr. Gottfried Sedelmeier, Dr. Berthold Schenkel, S. V. Ley

Volume 55, Issue 45, pp. 14085–14089

DOI: 10.1002/anie.201605548

Read more



Expedited access to thieno[3,2-c]quinolin-4(5H)-ones and benzo[h]-1,6-naphthyridin-5(6H)-ones via a continuous flow photocyclization method

Y. Fang, G. K. Tranmer

Org. Biomol. Chem., 2016, Advance Article

DOI: 10.1039/C6OB02279K

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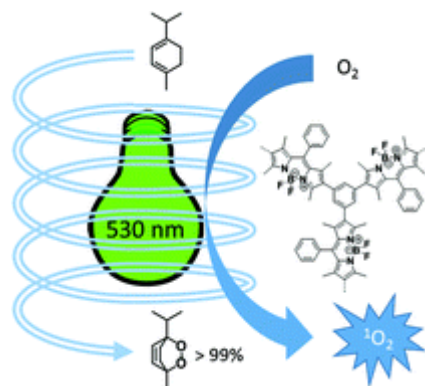
Triphenylphosphine-grafted, RAFT-synthesised, porous monoliths as catalysts for Michael addition in flow synthesis

K. J. Barlow, V. Bernabeu, X. Hao, T. C. Hughes, O.E. Hutt, A. Polyzos, K. A. Turner, G. Moad

Volume 96, November 2015, Pages 89–96

DOI: <http://dx.doi.org/10.1556/1846.2016.00013>

Read more



BODIPY-based conjugated microporous polymers as reusable heterogeneous photosensitisers in a photochemical flow reactor

J. M. Tobin, J. Liu, H. Hayes, M. Demleitner, D. Ellis, V. Arrighi, Z. Xu, F. Vilela

Polym. Chem., 2016, 7, 6662–6670

DOI: 10.1039/C6PY01393G

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