

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

Product News



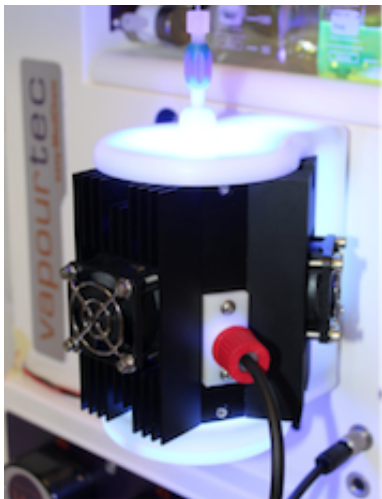
Large diameter reactor with full-length mixing elements

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New set of long-pass filters for the UV-150 photochemical reactor

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Reactor for Immobilized photo catalysts

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Low pressure mercury lamps (3) now available for the UV-150

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Latest News



Chemisky and Vapourtec deliver Korea seminars

Attendees were mostly from South Korea's strong chemical manufacturing industry and also included representatives from research institutes and well-known names such as the SK Group, Samsung and LG

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Double century publication landmark for Vapourtec

Vapourtec (Cambridge, UK) has recently reached the notable landmark of appearing in 200 peer review publications, cementing its position as the supplier of the most published flexible flow chemistry systems by a distance.

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Thai distributor links up with Vapourtec

Flow chemistry engineering specialists Vapourtec (Cambridge, UK) has extended its reach across South East Asia after signing a distribution agreement with Thailand-based ACI (Applied Chemical & Instrument Company).

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Zing conference proves a big hit

The recently held Zing Conference in Portugal is becoming a key fixture in the continuous process chemistry calendar according to Duncan Guthrie, founder and MD of flow chemistry engineering specialists Vapourtec.

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Events



The 4th Current Drug Development International Conference 2016 - June 1-3, 2016



252nd American Chemical Society National Meeting & Exposition - August 21-25, 2016

The scientific theme of the 4th CDD International Conference 2016 is "Drugs used in aging-associated diseases". The conference will feature keynote and invited speakers in addition to oral and poster presentation and social activities.

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Chemistry - *of the People, by the People, for the People*

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JCO 2016 – Journées de Chimie Organique - September 7-9, 2016

The Organic Chemistry Division of the French Chemical Society and the Organizing Committee are pleased to invite you at the Journées de Chimie organique 2016 (JCO2016), which will be held from Wednesday, 7 September to Friday 9 september 2016 at Ecole Polytechnique, Palaiseau, France

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14th International Conference on Microreaction Technology - September 12-14, 2016

IMRET14 will be hosted by Tsinghua University, and co-hosted by Dalian Institute of Chemical Physics, Chinese Academy of Sciences.

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New Applications

Selective oxidation using 50% hydrogen peroxide

This new application note demonstrates the oxidation of thioanisole using hydrogen

Photochemical hydrogenation using immobilised photocatalysts

This application note expands on the work described in application notes 41 and 42

peroxide in continuous flow.

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describing a photochemical hydrogenation using an immobilized photo catalyst.

[Read more](#)

[2+2] Photocycloaddition with wavelength specific low pressure mercury lamps

This application note uses the photochemical reaction explored in application note 36, the photocycloaddition of maleimide and 1-hexyne, to explore the performance of Vapourtec's new low pressure mercury lamps.

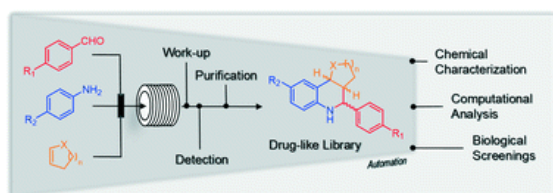
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Photochemical synthesis of Cubanes

This application note demonstrates the preparation of cage compound 2 from an advanced diene precursor 1, which can be prepared from cyclopentanone.

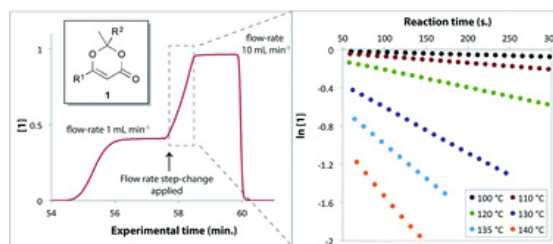
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Recent Publications



Integrating multicomponent flow synthesis and computational approaches for the generation of a tetrahydroquinoline compound based library

B. Cerra, S. Mostarda, C. Custodi, A. Macchiarulo, A. Gioiello
Med. Chem. Commun., 2016,7, 439-446



Thermolysis of 1,3-dioxin-4-ones: fast generation of kinetic data using in-line analysis under flow

T. Durand, C. Henry, D. Bolien, D. C. Harrowven, S. Bloodworth, X. Franck, R. J. Whitby
React. Chem. Eng., 2016,1, 82-89

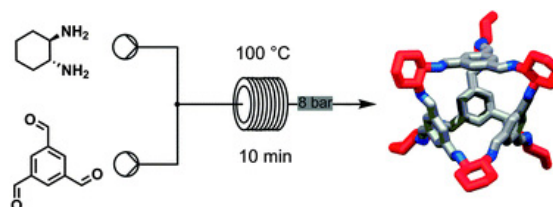
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Automated glycan assembly of xyloglucan oligosaccharides

P. Dallabernardinaa, F. Schuhmachera, P. H. Seebergera, F. Pfengle

Org. Biomol. Chem., 2016,14, 309-313

DOI: 10.1039/C5OB02226F

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Dynamic flow synthesis of porous organic cages

M.E. Briggsa, A.G. Slater, N. Lunta, S. Jianga, M. A. Littlea, R. L. Greenaway, T. Hasella, C. Battilocchio, S. V. Leyb, A. I. Cooper

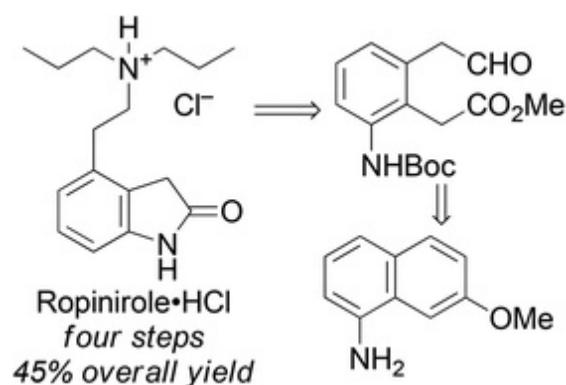
Chem. Commun., 2015,51, 17390-17393

DOI: 10.1039/C5CC07447

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Light-Induced C-H Arylation of (Hetero)arenes by In Situ Generated Diazo Anhydrides

Dr. D. Cantillo, Dr. C. Mateos, Dr. J. A. Rincon,



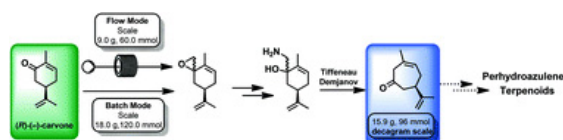
The development of a short route to the API ropinirole hydrochloride

Z. Yousufa, A. K. Richardsb, A. N. Dwyerc, B. Linclaua, D. C. Harrowven

Org. Biomol. Chem., 2015,13, 10532-10539

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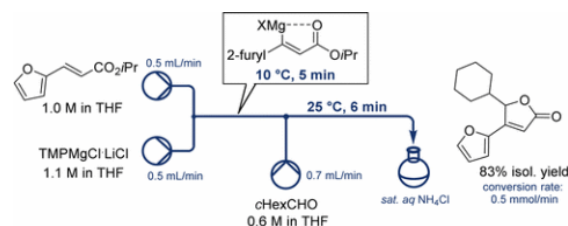
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A practical deca-gram scale ring expansion of (R)-(-)-carvone to (R)-(+)-3-methyl-6-isopropenyl-cyclohept-3-enone-1

L. de C. Alvesa, A. L. Desideráa, K. T. de Oliveiraa, S. Newtonb, S. V. Ley, T. J. Brocksom
Org. Biomol. Chem., 2015, 13, 10532-10539
DOI: 10.1039/C5OB01739D

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Continuous Flow Magnesiumation or Zincation of Acrylonitriles, Acrylates, and Nitroolefins. Application to the Synthesis of Butenolides

M. A. Ganiek, M. R. Becker, M. Ketels, P. Knochel
Org. Lett., 2016, 18 (4), pp 828-831
DOI: 10.1021/acs.orglett.6b00086

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