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#### Graphical Abstracts/J. Fluorine Chem. 128 (2007) 1429–1430

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# Sodium dithionite initiated addition of $CF_2Br_2$ to $\beta$ -pinene and reactions of the adduct. Synthesis and the reactivity of new 1,1-difluorodienes

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Sodium dithionite promoted addition of  $CF_2Br_2$  to  $\beta$ -pinene afforded 1-(2-bromo-2,2-difluoroethyl)-4-(2-bromoisopropyl)-cyclohexene.

Dehydrobromination and reductive debromination of the adduct lead to a

CF<sub>2</sub>Br

CF<sub>2</sub>Br

R=(CH\_1)C=(CH\_2)CH\_1(CH\_1)\_(CH\_1)CBr.

number of new 1,1-difluorodienes which readily reacted with 4-phenyl-3H-1,2,4-triazoline-3,5-dione to give cycloadducts, derivatives of triazolo[1,2- $\alpha$ ]cinnoline.

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## Continuous flow glassware reactors for the laboratory. Synthesis of 2-alkoxy-4-aminotrifluoropyridine derivatives from pentafluoropyridine

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Inexpensive continuous flow glassware reactors, suitable for laboratory use, have been used for the synthesis of polysubstituted fluoropyridine derivatives.

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## Stereoselective synthesis of 4-fluoro-1,3-alkadienylboronates and their application in the stereoselective synthesis of fluoropolyenes

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# Synthesis and characterisation of 3- and 4-(pentafluorosulfanyl)benzoic acid derivatives. X-ray structure of $3-SF_5-C_6H_4-COOH$

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High yields of 3- and 4-(pentafluorosulfanyl)benzoic acids are obtained through four step syntheses starting from the corresponding nitro-(pentafluorosulfanyl)benzene derivatives.

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## An efficient synthesis of fluorine-containing substituted spiro[piperidine-4,4'-pyrano [3,2-c]quinoline]-3'-carbonitrile by nonconventional methods

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Fluorine-containing spiro[piperidine-4,4'-pyrano[3,2-c] quinolines] were synthesized through a rapid one-pot multi-component reaction under microwave irradiation and sonication.

O 
$$CN$$
  $CH_2$   $Ewg$   $CN$   $CH_2$   $Ewg$   $CH_3$   $CH_4$   $CH_5$   $CH_5$ 

LG=F,CI,Br,NO

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#### Effect of aldehyde and methoxy substituents on nucleophilic aromatic substitution by [18F]fluoride

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Preparation of <sup>18</sup>F-labeled aromatic acids for PET by nucleophilic aromatic substitution is considered an attractive type of reaction since fluorine-18 can be applied as [<sup>18</sup>F]fluoride. Pursuing earlier research on <sup>18</sup>F-labeling of benzaldehyde derivatives as model compounds, we systematically evaluated the influence of different leaving groups and the methoxy substituent.

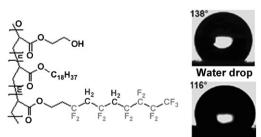
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## Synthesis and repellent properties of vinylidene fluoride-containing polyacrylates

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n-tetradecane drop