

Guidelines for the preparation of Method articles to *Organic Chemistry Frontiers*

A Method is a different article type from the current Tutorial Account. They are technical notes focusing on the practicality of previously published methodologies. Use of unpublished results should be extremely limited. Methodologies in the field of synthetic organic chemistry, natural products purification, spectroscopy, chemical modification and assembly of organic molecules will be considered for the publication of Methods.

Reported protocols should be of wide application in the relevant research field and of general interest to the broad readership in related areas. A brief introduction is thus required for the associate editor or referees to judge the importance of very original methods or the significant advantages of the reported methods over competing or earlier protocols.

Methods are designed to assist with practical manipulation. Therefore every aspect of the experiments should be explained explicitly. Authors should include the following details in the paper:

- **Apparatus:** the author should indicate the types of glassware and how they are equipped. The types and parameters of any equipment (e.g. microwave reactor, glove box, mass spectrometer, etc.) should also be listed when they are able to affect the reproducibility of the reactions. A photo of the complete apparatus should be provided.
- **Reagents:** for any commercially available reagent, authors should indicate the purchase source and CAS number. If there is any purification or activation procedure employed, this should also be clarified.
- **Reaction and manipulation:** authors should give as many details as possible when describing a reaction process. The required information includes but is not limited to: the duration, pressure and temperature, sensitivity to air or moisture, the amount and order of addition of reactants, any phenomena observed during reaction (e.g. change of color, temperature, evolution of gases, etc.), the monitoring process (e.g. if the reaction is monitored via TLC, the R_f and corresponding solvent system should be indicated for products, reactants and significant byproducts or intermediates) and the workup procedure.
- **Purification and characterization:** authors should indicate how the products and significant byproducts are isolated, as well as their physical properties and spectroscopic data (NMR, IR, mass and UV if applicable) and X-ray structures. For the sake of accuracy, the given yield ($\pm 3\%$), as well as other characterization data, should be reproduced by chemists in the same group, and submitted as Supporting Information.
- **Note:** Authors are not required to include very long discussions in Methods; succinct and straightforward instructions and troubleshooting of experimental procedures are favored and can be included as notes. Authors should mark in the main text where a note is employed. Relevant notes will be placed close to where they are first mentioned. In this section, authors are expected to include any supplementary explanations which do not fit into the introduction and experimental part. For instance, when a reagent is added at an extremely slow speed or in excess, authors should explain why such a procedure is favored and how it will affect the reaction.
- **Supporting Information:** authors are required to complete the "characterization checklist" upon submission of supporting materials. Please note that it is a must to include copies of NMR spectra for any desired compound.

- Photos and videos: Photos of the reactor should be submitted. Inclusion of videos is also strongly encouraged to record the manipulation and any change of appearance of the reactions. These should be supplied as Supplementary Information.

Thanks in advance for your cooperation.

Should you have any questions about Method articles, please contact the Editorial Office at OrgChemFrontiersED@rsc.org, who will be happy to offer advice.