



General Points

As far as possible, use the present tense in the discussion text, but the past tense in experimental procedures.

Please do **not** use abbreviations or chemical formulas in the discussion text – use chemical names instead; however, in the text of experimental procedures, abbreviations and simple chemical formulas should be used wherever possible.

Only use the abbreviations from our standard list (e.g., we use TBDMS, **not** TBS, for the *tert*-butyldimethylsilyl group), or clearly define any that you use that are not on this list.

Reference Citations

Include a reference citation on the title of every scheme, table, and experimental procedure (very general schemes can be excepted).

In all tables and schemetables, include a final column, headed “Ref”, that includes an appropriate reference citation for each table entry, even if the citation is the same for every entry.

Compound Numbering

It is not necessary to assign a compound number to every starting material and product in every scheme.

It is, however, necessary to assign a compound number to every product that is the subject of an experimental procedure appearing in the manuscript.

Other compounds should be assigned numbers at the discretion of the author, e.g. where they are useful in clarifying the discussion text, or as a convenient shorthand for referring to compounds with long and/or complex names.

All compound numbers should be mentioned somewhere in the text of the manuscript, thus providing a link to the appropriate scheme.

A *specific* compound that has been assigned a compound number should keep this same number if the compound appears multiple times in the manuscript.

A *generalized* structure, i.e. one containing R¹ or other variable groups, should normally have a different compound number in each scheme in which it appears. Please do **not** use letter suffixes to compound numbers (e.g., **1a**, **1b**, etc.) to indicate specific examples of a generalized structure.

Schemes/Tables/Figures

Ensure that every scheme, table, and figure has a title.

Include a link to each scheme, table, or figure at an appropriate point in the discussion text, e.g. “...as shown in Scheme 3,” or “the reactions proceed with good yields (Table 2).”

Depictions of individual reagents, transition states, mechanistic pathways, etc. should all be labeled as schemes, **not** figures. Figures appear only rarely in *Science of Synthesis* and are usually limited to diagrams of experimental apparatus or spectra.

Tables are numbered independently from schemes, whereas schemetables have the same number as the corresponding scheme. Tables generally either show the complete structure of reactants/products (or other information) or have entry numbers, which are individually discussed in the text. Schemetables, on the other hand, tabulate by R-groups (or similar), and never have entry numbers.

Construct tables and schemetables using the table tool in your word processor, **not** in ChemDraw.



Experimental Procedures

Place all experimental procedures together at the end of each numbered section of the manuscript, and **not** distributed in the middle of the discussion text.

All experimental procedures should be illustrated with an associated scheme.

The title of an experimental procedure should be based on the compound(s) prepared, and **not** on the starting material or the reaction taking place. The title should include the compound number of the product(s) and an appropriate reference citation, e.g. “Alkanes **3**; General Procedure:^[12]” and **not** “Hydrogenation of Alkenes **2**; General Procedure:^[12]”

Include the description “Typical Procedure” on procedures that describe the preparation of a specific compound, but where the procedure is applicable to many other substrates.

Include the description “General Procedure” on procedures that do not describe the preparation of a specific compound, but instead provide a generalized procedure that is applicable to many substrates.

Give enough information (e.g., quantities of reagents) to carry out the procedure correctly. However, it is not necessary to give spectroscopic data in most cases.

When reporting the quantities of reagents in experimental procedures, use the format “pyrrole (10 mL, 0.14 mol)” and **not** “10 mL of pyrrole (0.14 mol)”.

References

Give each reference a separate, whole number – please do **not** subdivide references using 1a, 1b, etc.

Assign a separate reference number to each journal article, patent, or book cited, i.e. use the format:

[1] Jochims, J. C.; Karich, G., *Tetrahedron Lett.*, (1976), 1395.

[2] Karich, G.; Jochims, J. C., *Chem. Ber.*, (1977) **110**, 2680.

and **not**

[1] Jochims, J. C.; Karich, G., *Tetrahedron Lett.*, (1976), 1395; Karich, G.; Jochims, J. C., *Chem. Ber.*, (1977) **110**, 2680.

Exceptions to this rule occur only in the cases of translated versions of a single paper, or of *Chemical Abstracts* references, e.g.:

[1] Niecke, E.; Gudat, D., *Angew. Chem.*, (1991) **103**, 251; *Angew. Chem. Int. Ed. Engl.*, (1991) **30**, 217.

[2] Parker, H. E., GB 427 979, (1935); *Chem. Abstr.*, (1935) **29**, 6698.

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