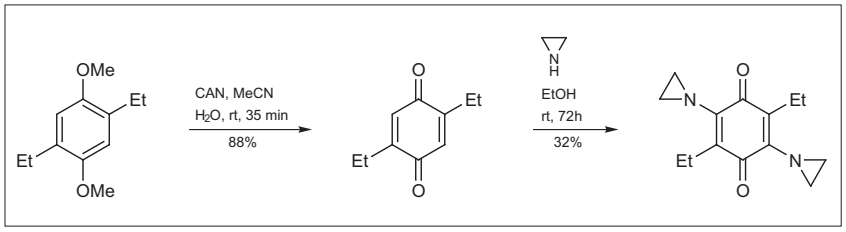
Essential Reading:
Preparing Schemes Tips for Authors

Drawing and Submitting Schemes

Schemes should be prepared using a drawing package such as ChemDraw.

When using ChemDraw, please remember to make use of the *Science of Synthesis* drawing settings:



File > Apply Document Settings from > Science of Synthesis

Please submit each scheme or structure for a table as a separate ChemDraw file. The file should be named in such a way that it can be clearly associated with the text.

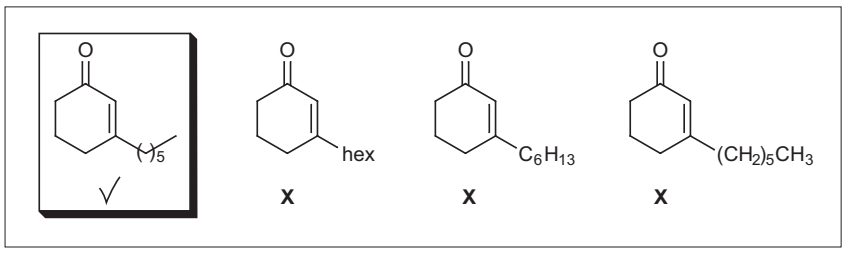
Please include as much relevant information as possible. This includes defining or giving appropriate examples of R groups, reporting yields, and including full reaction conditions.

Try to avoid having text in schemes (except for the reaction conditions above an arrow). Instead, try to incorporate explanatory information in the discussion text or scheme caption.

Structures should be fully drawn out wherever possible. Complete reactions should be supplied rather than just giving, for example, a single product with a yield.

Please do not just use a name (or compound number) for a compound either side of a reaction arrow to denote a reactant/product (e.g., a natural product). Do not use a mixture of text and drawing to illustrate a structure.

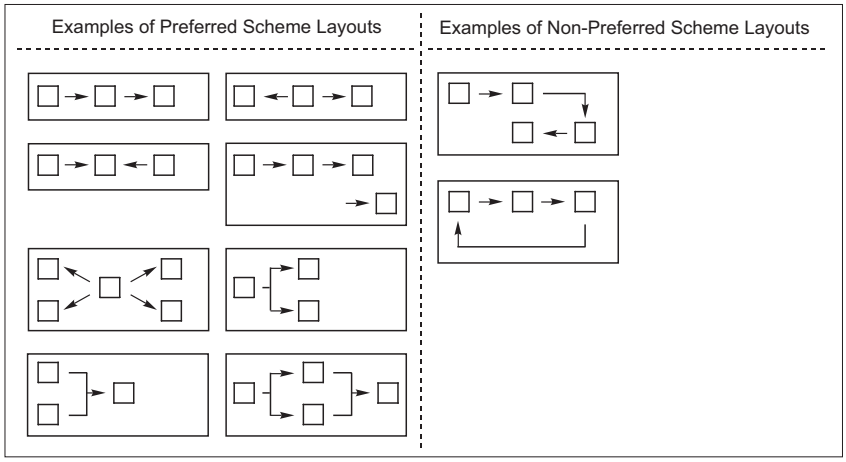
Please use skeletal formulas (or approved radical abbreviations) rather than writing out the carbon atoms [e.g., do not use $CH_2CH_2CH_2CH_2CH_2CH_3$, $(CH_2)_5CH_3$, C_6H_{13}, hex, or hexyl].



Layout

Submitted schemes cannot be wider than 16 cm. Use of the correct *Science of Synthesis* drawing settings will help in the visualization of the size of structures that can fit across a page.

Schemes should not have reaction steps going “around corners” or back on themselves. The most common format is from left to right, or with arrows radiating from/to a central structure.



Reaction Conditions

These should either be positioned above the reaction arrow (never below!) or defined in a table constructed in the word processor. Avoid having reaction conditions as a footnote to a scheme.

Please use the following order for reagents/conditions above arrows:
catalysts/reagents, solvent(s), special conditions (e.g., *hν*, microwave, sealed tube), temp/pressure, time (s, min, h).

"R" Groups and Abbreviations

Please ensure all R and Ar groups have a superscript number (R^1, R^2, etc. or Ar^1, Ar^2, etc. and never R, R', or Ar). Even is there is just one R group, it should be labeled R^1.

A list of our approved substituent group abbreviations can be found in the Editorial Guidelines. Please use them!

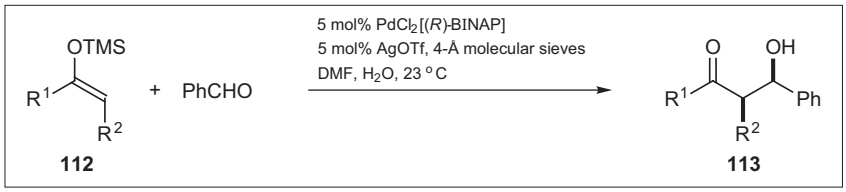
A list of the accepted abbreviations and formulas we use for common reagents, solvents, etc. can be found in the Editorial Guidelines. Any abbreviation used that is not in the list should be fully defined either in the text or the bottom-left corner of the scheme.

Reaction Yields

The placement of reaction yields in a scheme affects the meaning. Yields for a single step should be placed below the reaction arrow. For an "overall" yield over two or more steps, the yield should be positioned below the product in question.

Tables and Schemetables

Should be constructed in the text document using the table tool in your word processor, and not drawn in ChemDraw as part of a scheme.



Add a schemetable **in the word processor document** to summarize information (R groups, conditions, yields, product ratios) relating to a scheme.

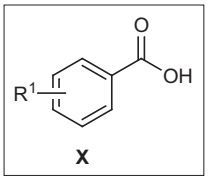
R^1	R^2	ee (%)	Yield (%)	Ref
Ph	H	71	87	[25]
2-naphthyl	H	73	80	[25]
$(CH_2)_4$		72	58[a]	[25]

[a] Ratio *syn/anti* = 74:26.

Changes from Original SOS Style

To aid speedier publication, we are developing a method for the **fully automated indexing** of schemes. For this reason, may we request that identities of R groups, yield data, etc., always be tabulated as shown above, rather than included in the scheme.

In addition, please avoid ambiguous representation of structures, such as "floating" R groups, as depicted in the structure to the right:



Contact
Science of Synthesis Editorial Office
Georg Thieme Verlag KG
Rüdigerstrasse 14
70469 Stuttgart
Germany

Phone: +49 (711) 8931-719
Fax: +49 (711) 8931-777

E-mail: science-of-synthesis@thieme.de
Web site: www.science-of-synthesis.com