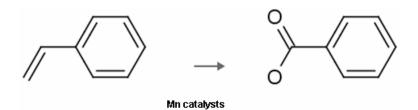


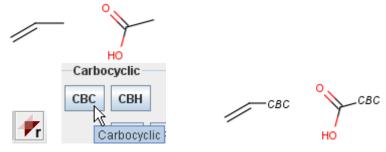
I would like to find patents containing information on the oxidative cleavage of c-c bonds (like those found in styrene) into carboxylic acids using manganese-containing catalysts. Then I want to export the list in a PDF



1. Click the **Reactions** theme from the **Reaxys Start page**. Click the structure box to open the structure editor (MarvinSketch is used here).



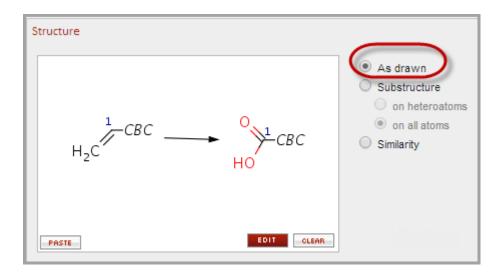
2. Draw the propylene and acid fragments. Then add the appropriate Reaxys Generic Group (CBC) by clicking the "R" button, selecting the abbreviation (click Close), and then clicking the appropriate carbons in the reaction.



3. Draw the **arrow**. Then click the **Atom mapping button**, click a carbon on the reactant and drag to the analogous carbon on the product.

The final query looks like this:

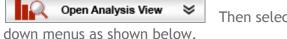




Results:

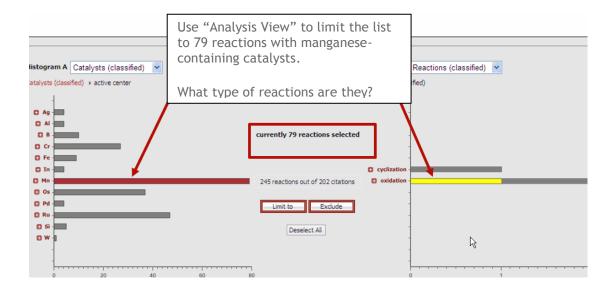
245 reactions, like these, are retrieved:

Which ones use manganese-containing catalysts? Click the Analysis View button.



Then select the appropriate criteria from the drop-





Which Patent Assignees show up most frequently in this list of 79 reactions?

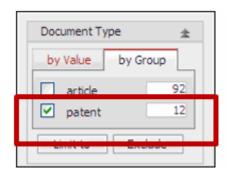




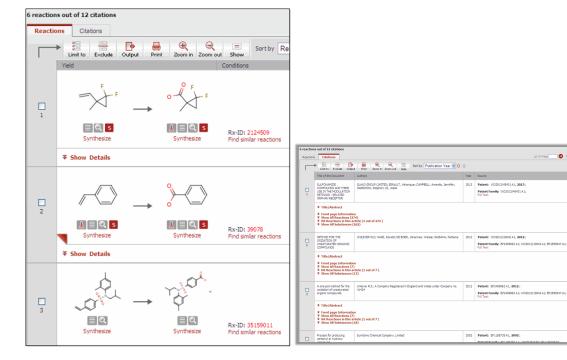
Who received patents with this type of reaction between 2000 - 2008?



Limit the list to rections found in patents:



View the list of 6 reactions or 12 citations.

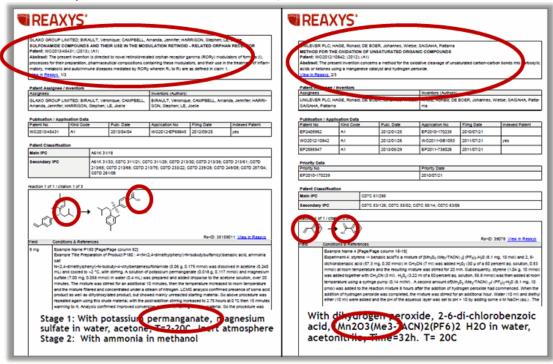








And then export the list in various formats, such as PDF.



Do you have an idea for a workflow example?

Please contact me:

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