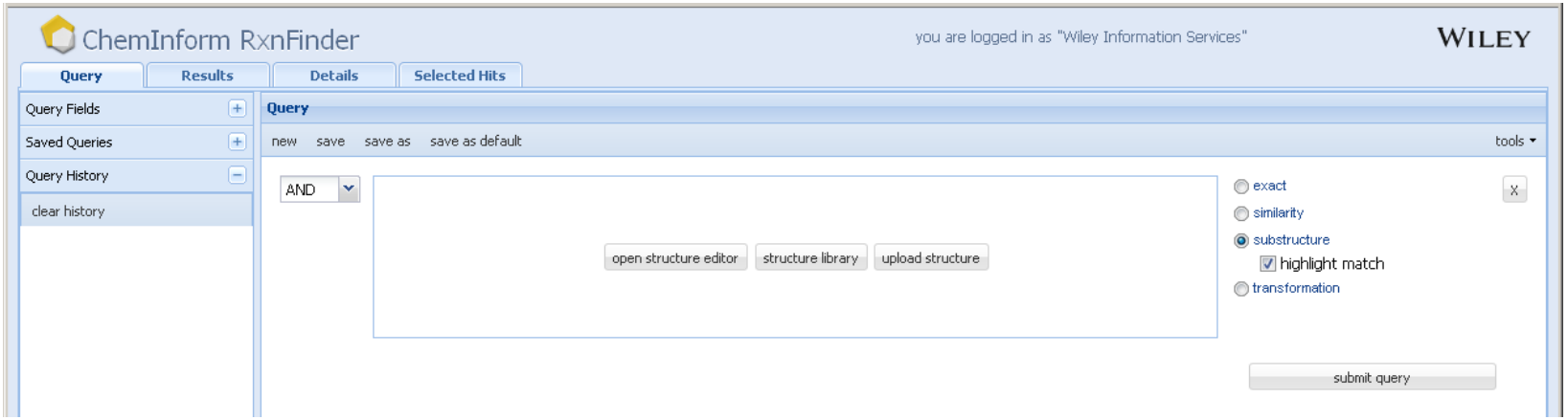
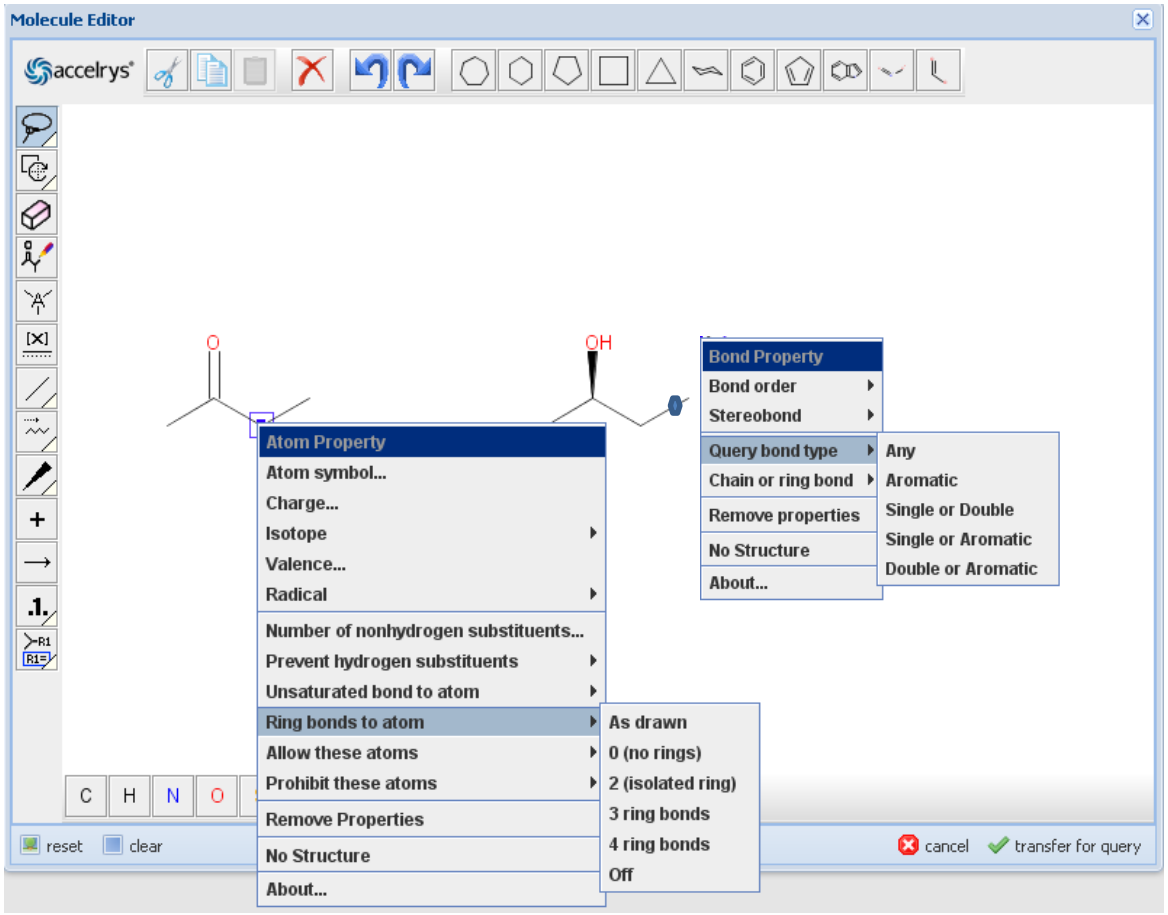
RxnFinder

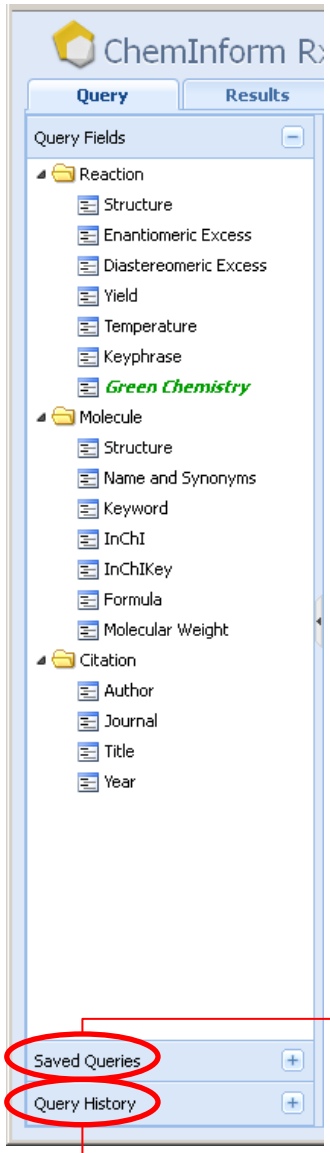
ChemInform Reaction Library online search



Search:
Structure Search with Accelrys JDraw

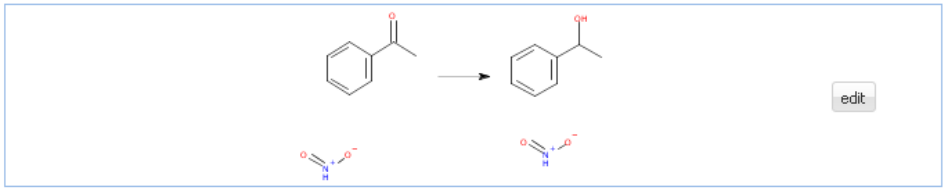


define atom or bond properties per right-click



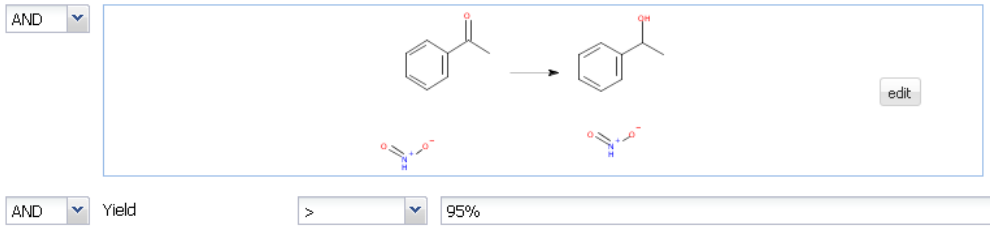
Search

by substructure



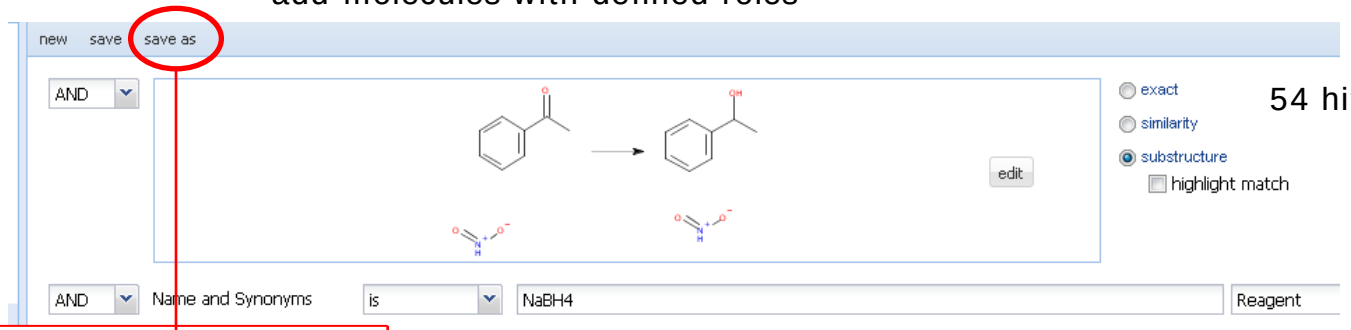
706 hits

refine query by various fields



85 hits

add molecules with defined roles

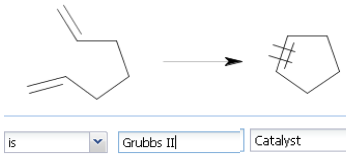


54 hits

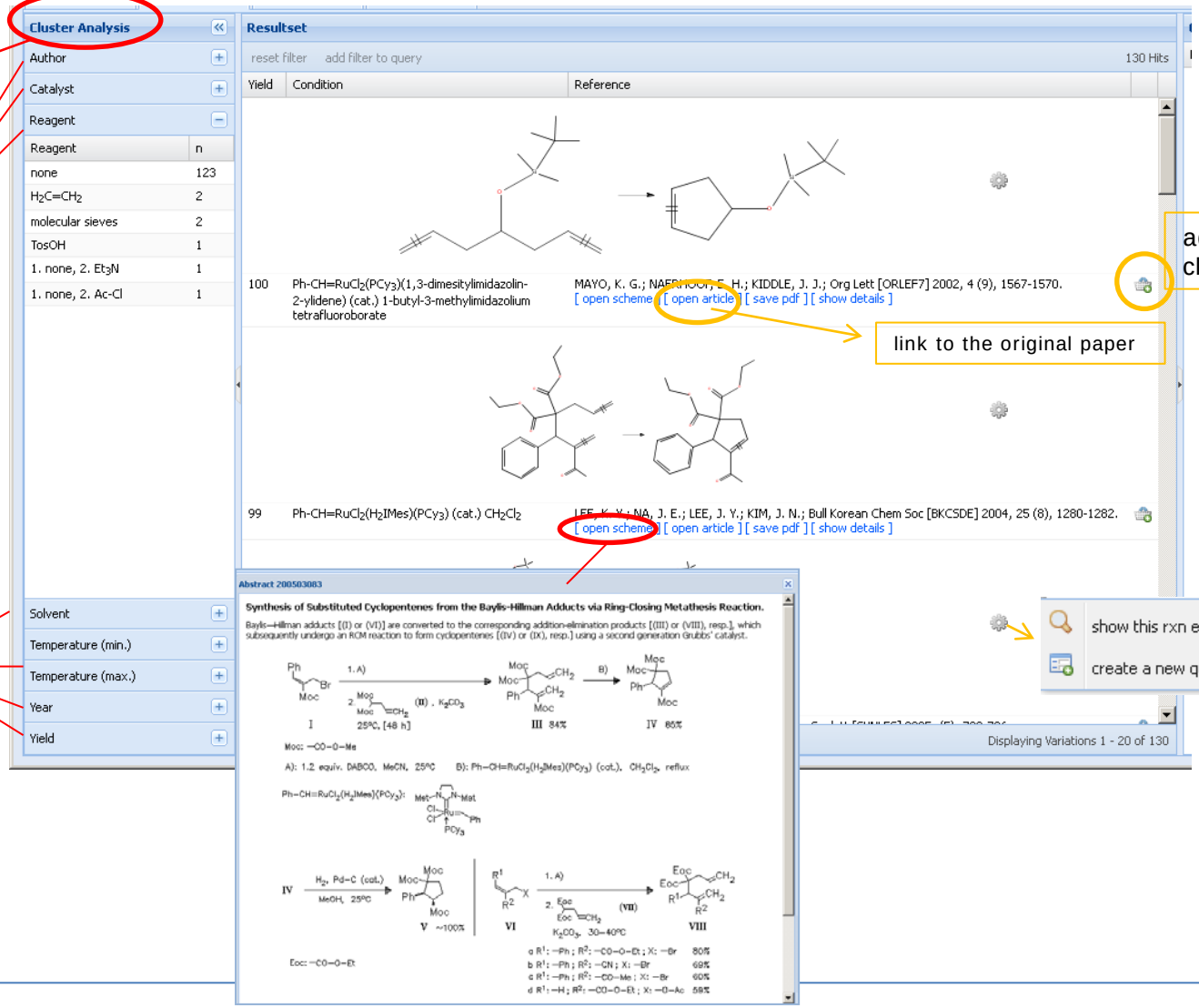
Save queries, use saved queries, use queries from history

Query: ring closing metathesis

Result List



automatic cluster analysis
over various fields



add to clipboard

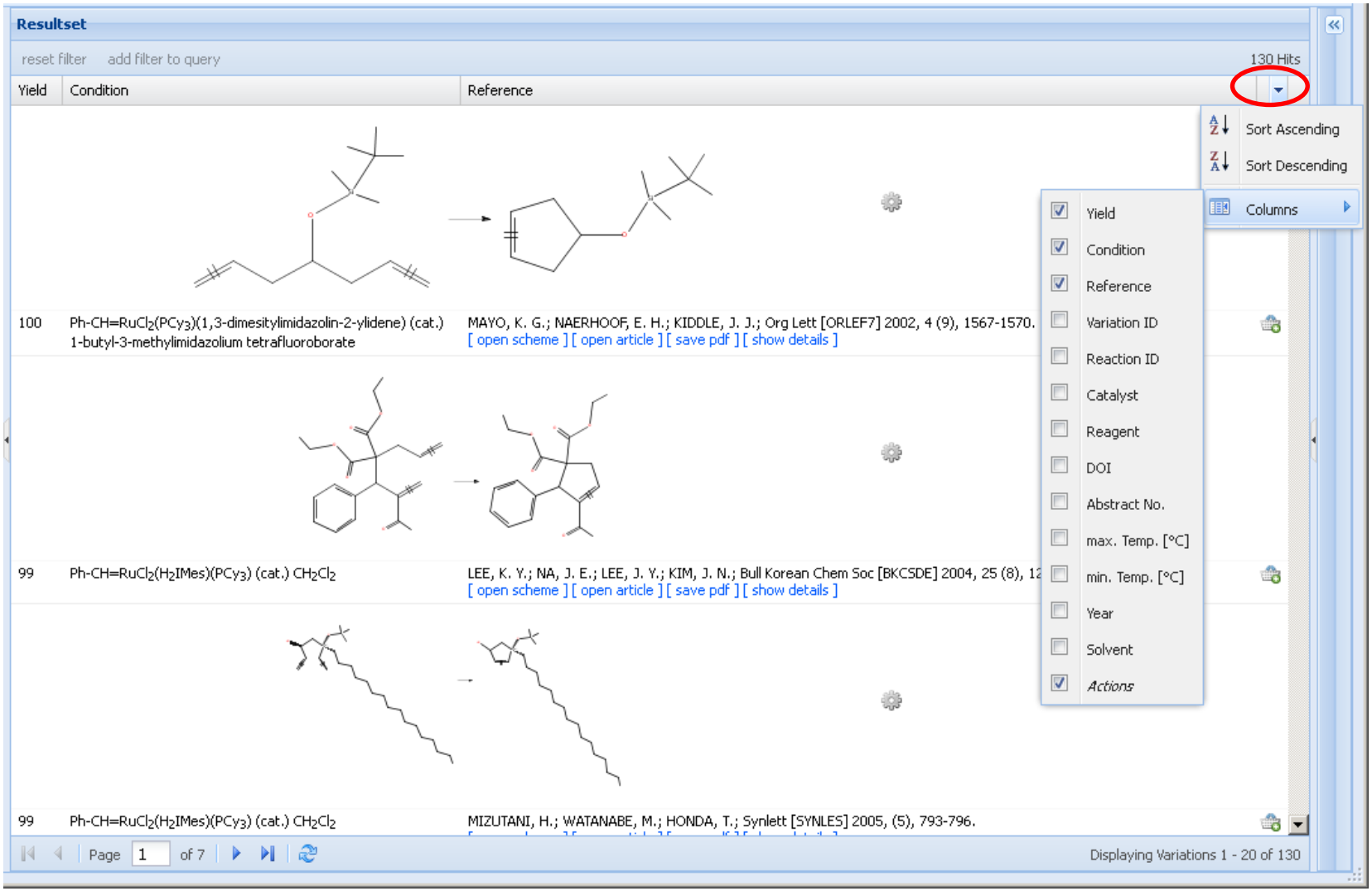
link to the original paper

show this rxn enlarged

create a new query from this rxn

Result List

choose fields to be displayed and sort results

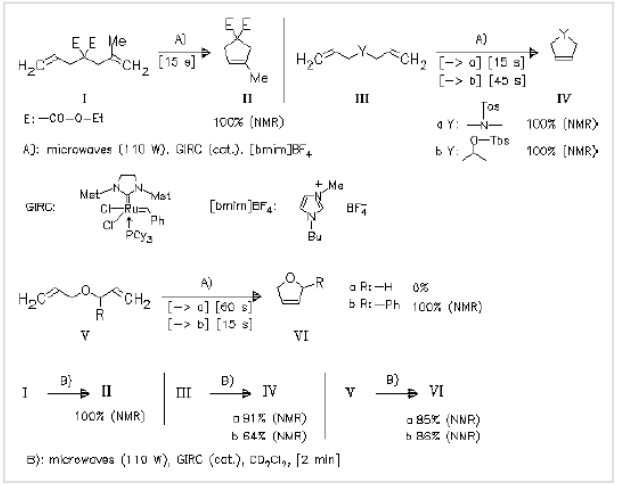


Result

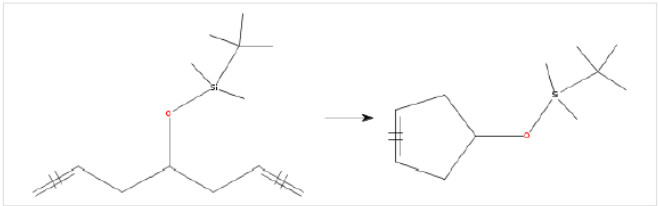
[save as pdf] (single hit)

Microwave-Accelerated Ruthenium-Catalyzed Olefin Metathesis.

MAYO, K. G.; NAERHOOF, E. H.; KIDDLE, J. J.; Org Lett 4 (2002) 9, 1567-1570; doi:10.1021/ol025789s



Reaction

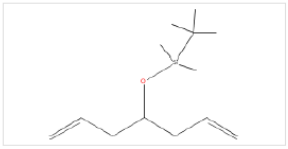


operation	steps	max. overall yield	keyphrases	conversion$_{min}$	conversion$_{max}$	comments
---	1	100	alkylation, C-alkylation	---	---	---

Reaction Condition

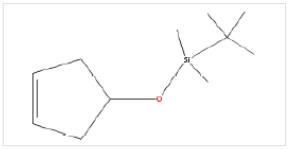
step	temp$_{min}$	temp$_{max}$	time$_{min}$	time$_{max}$	pressure$_{min}$	pressure$_{max}$	pH$_{min}$	pH$_{max}$	other
1	---	---	.013	.013	---	---	---	---	microwaves (110 W)

Reactants



$C_{13}H_{26}OSi$ (mw: 226.43044)
CAS: 139656-31-8
InChI: InChI=1S/C13H26OSi/c1-8-10-12(11-9-2)14-15(6,7)13(3,4)5/h8-9,12H,1-2,10-11H2,3-7H3
InChIKey: MHOVRSGQQGEURJ-UHFFFAOYSA-N

Products

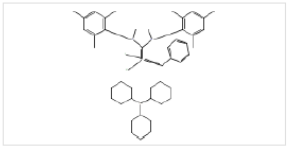


$C_{11}H_{22}OSi$ (mw: 198.37728)
InChI: InChI=1S/C11H22OSi/c1-11(2,3)13(4,5)12-10-8-6-7-9-10/h6-7,10H,8-9H2,1-5H3
InChIKey: GVFHPKSGXMBWKM-UHFFFAOYSA-N

CS_{min}	CS_{max}	DE_{min}	DE_{max}	DS_{min}	DS_{max}	EE_{min}	EE_{max}	$yield_{min}$	$yield_{max}$	grade
100	100	---	---	---	---	---	---	100	100	(NMR)

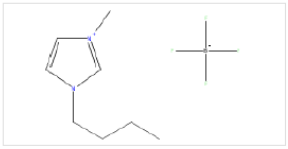
Auxiliary Molecules

Catalyst



Grubbs II
$C_{28}H_{32}Cl2N_2Ru.C_{18}H_{33}P$ (mw: 848.971459999999)
InChI: InChI=1S/C21H26N2.C18H33P.C7H6.2ClH.Ru/c1-14-9-16(3)20(17(4)10-14)22-7-8-23(13-22)21-18(5)11-15(2)12-19(21)6;1-4-10-16(11-5-1)19(17-12-6-2-7-13-17)18-14-8-3-9-15-18;1-7-5-3-2-4-6-7;;;/h9-12H,7-8H2,1-6H3;16-18H,1-15H2;1-6H;2*1H;/q;;;;;+2/p-2
InChIKey: FCDPQMAOJARMTG-UHFFFAOYSA-L

Solvent

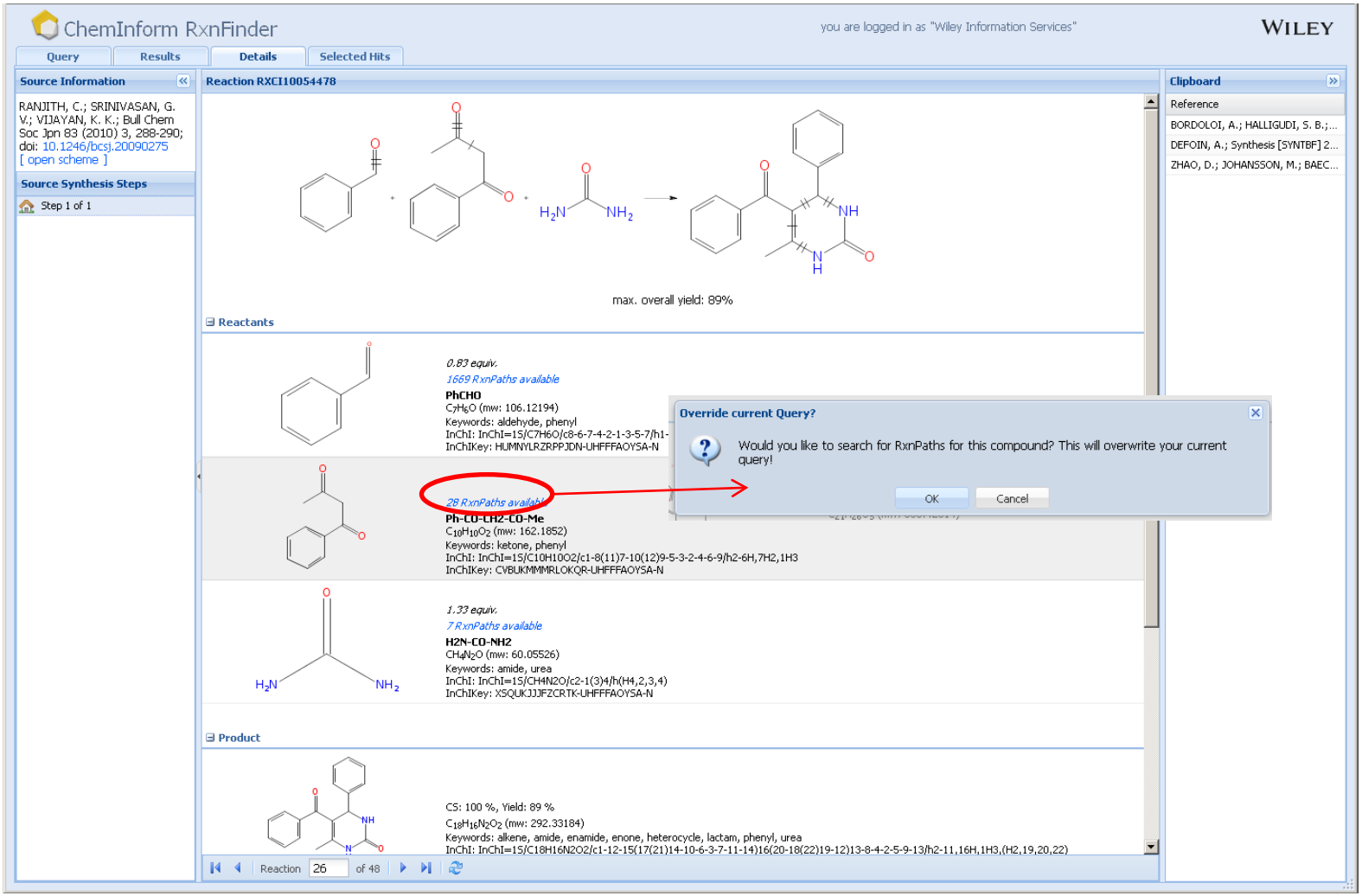


[bmim]BF4
$C_8H_{15}N_2.BF_4$ (mw: 226.0227)
InChI: InChI=1S/C8H15N2.BF4/c1-3-4-5-10-7-6-9(2)8-10;2-1(3,4)5/h6-8H,3-5H2,1-2H3;/q+1;-1
InChIKey: LSBXQLQATZTAPE-UHFFFAOYSA-N

RXCI02056905 / 200238060

Result

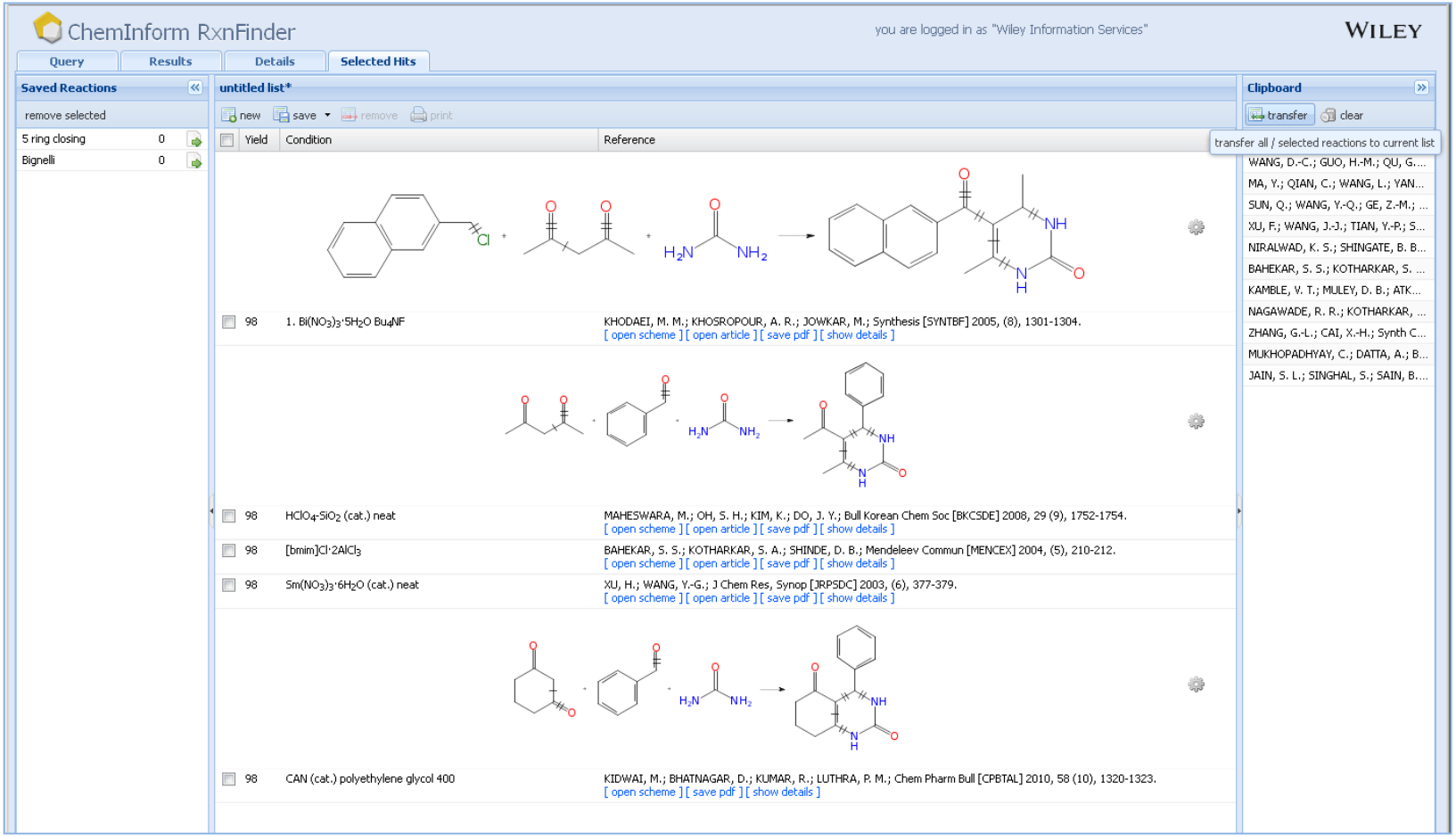
[show details] (single hit)



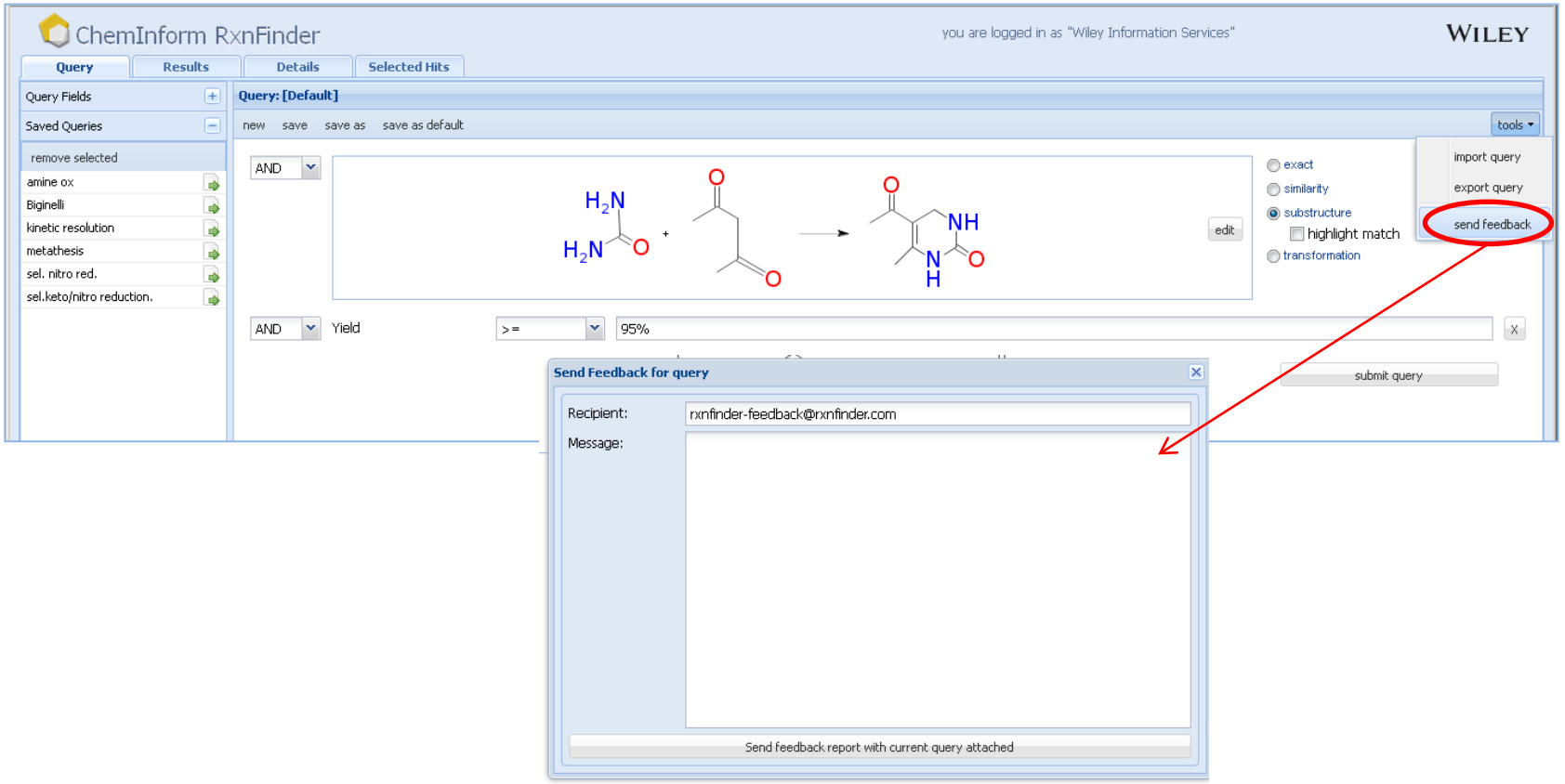
Look up syntheses of reactants when available

note: your current query is in the history

Selected Hits



Up to now, it is only possible to save hitlists. Further export and print functionalities are planned



Please use ‚send feedback‘ button for any questions