

1. Search

	SUBSTANCES		
FEATURE	COMMENT	FEATURE	COM
Quick search as text	Enter a substance name, molecular formula or CAS number	Quick search as text	Enter
(See page 3)	in the search field and click Search.	(See page 3)	Examp
	Examples:		• pr
	Atenolol		• pł
	Pt(PPh3)3		• St
	• 102625-70-7		• Ac
Quick search with	1. Click the Create Structure or Reaction Drawing box.	Quick search with	1. Clic
Structure or Reaction	2. Create the substance structure drawing.	Structure or Reaction	2. Cre
Drawing	For more information on using the Marvin JS structure	Drawing	For
(See page 3 & 4)	editor see:	(See page 3 & 4)	edi
	a. Create a Structure Query in the Search for		a
	Substances Workflow.		
	b. View our <u>Tips for using ChemAxon Marvin JS</u>		b
	c. Visit the <u>ChemAxon Marvin JS</u> website which		c
	includes a <u>MarvinJS User's Guide</u> .		
	3. Click Transfer to query, click Search.		3. Clic
Query builder	1. Click Query builder (See page 6).	Query builder	1. Clic
(See page 5)	2. Select one of the Quick Querylets (Structure, Molecular	(See page 5)	2. Sel
	Formula, CAS RN or Doc Index) under the search button.		For
	OR		OR
	2. Search for properties using the Search properties field		2. Sea
	and Drag & Drop the property onto the Query builder .		and
	3. If you have multiple search fields, use the appropriate		3. If y
	Boolean operator (see page 7).		Boo
	4. Click Search at the top of the screen and select the		4. Clic
	desired target content: e.g. Substances.		des
	Note: Click Exist to enter specific search values.		No

	REACTIONS
FEATURE	COMMENT
Quick search as text	Enter a term(s) in the search field and click Search.
(See page 3)	Examples:
	 preparation of porphyrine
	 phosphorylation
	Suzuki coupling
	Adler phenol oxidation
Quick search with	1. Click the Create Structure or Reaction Drawing box.
Structure or Reaction	2. Create the reaction structure drawing.
Drawing	For more information on using the Marvin JS structure
(See page 3 & 4)	editor see:
	a. Create a Reaction Query in the <u>Search for</u>
	Reactions Workflow.
	b. View our <u>Tips for using ChemAxon Marvin JS</u>
	c. Visit the <u>ChemAxon Marvin JS</u> website which
	includes a <u>MarvinJS User's Guide</u> 3. Click Transfer to query , click Search .
Query builder	1. Click Query builder (See page 6).
(See page 5)	 Select one of the Quick Querylets (Structure, Molecular
(000 0080 0)	Formula, CAS RN or Doc Index) under the search button.
	OR
	2. Search for properties using the Search properties field
	and Drag & Drop the property onto the Query builder .
	3. If you have multiple search fields, use the appropriate
	Boolean operator (see page 7).
	4. Click Search at the top of the screen and select the
	desired target content: e.g. Reactions.
	Note: Click Exist to enter specific search values.





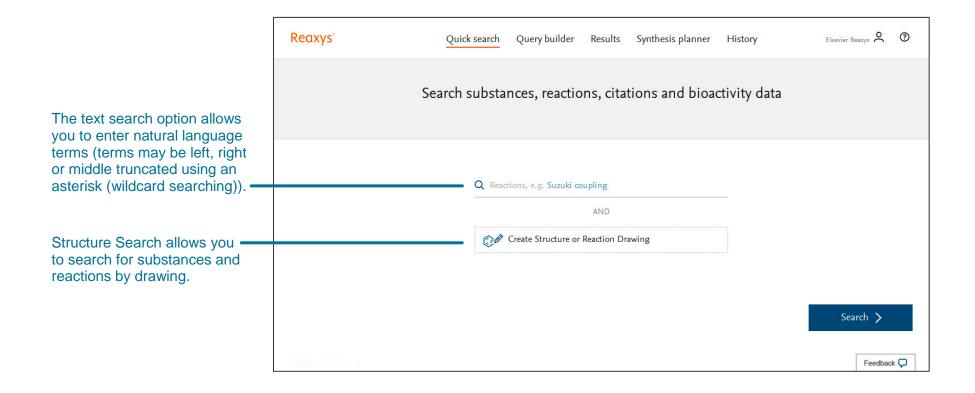
Search (continued)

	LITERATURE
FEATURE	COMMENT
Quick search	Enter a term(s) in the search bar and click Search.
(See page 3)	Examples:
	 publications about quasicrystals
	 Tetrahedron, 2014, 70, 2343
	published by Schrock
Quick search with	Note: Any structure or reaction query (see page 1) will
Structure or Reaction	primarily find substances or reactions. Any data
Drawing	point in those results has a reference, which
(See page 3 & 4)	provides additional links to documents.
	In addition you may click the documents link at the
	top of the page to view documents for the result set.
Query builder	1. Click Query builder (See page 6).
(See page 5)	2. Select one of the Quick Querylets (Structure, Molecular
	Formula, CAS RN or Doc Index) under the search button.
	OR
	2. Search for properties using the Search properties field
	and Drag & Drop the property onto the Query builder .
	3. If you have multiple search fields, use the appropriate
	Boolean operator (see page 7).
	4. Click Search at the top of the screen and select the
	desired target content: e.g. Documents .
	Note : Click Exist to enter specific search values.

	PROPERTIES				
FEATURE	COMMENT				
Quick search	Enter terms in the search bar and click Search.				
(See page 3)	Examples:				
	 boiling point of benzene 				
	density of quinolone				
Quick search with	1. Click the Create Structure or Reaction Drawing box.				
Structure or Reaction	2. Create the substance structure drawing.				
Drawing	For more information on using the Marvin JS structure				
(See page 3 & 4)	editor see:				
	a. Create a Structure Query in the <u>Search for</u>				
	<u>Substances</u> Workflow.				
	b. View our <u>Tips for using ChemAxon Marvin JS</u>				
	c. Visit the <u>ChemAxon Marvin JS</u> website which				
	includes a <u>MarvinJS User's Guide</u>				
	3. Click Transfer to query.				
	4. Enter property (e.g. boiling point) in the search bar.				
	5. Click Search .				
Query builder	1. Click Query builder (See page 6).				
(See page 5)	2. Select one of the Quick Querylets (Structure, Molecular				
	Formula, CAS RN or Doc Index) under the search button.				
	OR				
	2. Search for properties using the Search properties field				
	and Drag & Drop the property onto the Query builder .				
	3. Repeat for other properties as necessary.				
	4. If you have multiple search fields, use the appropriate				
	Boolean operator (see page 7).				
	5. Click Search at the top of the screen and select the				
	desired target content: e.g. Substances.				
	Note: Click Exist to enter specific search values.				

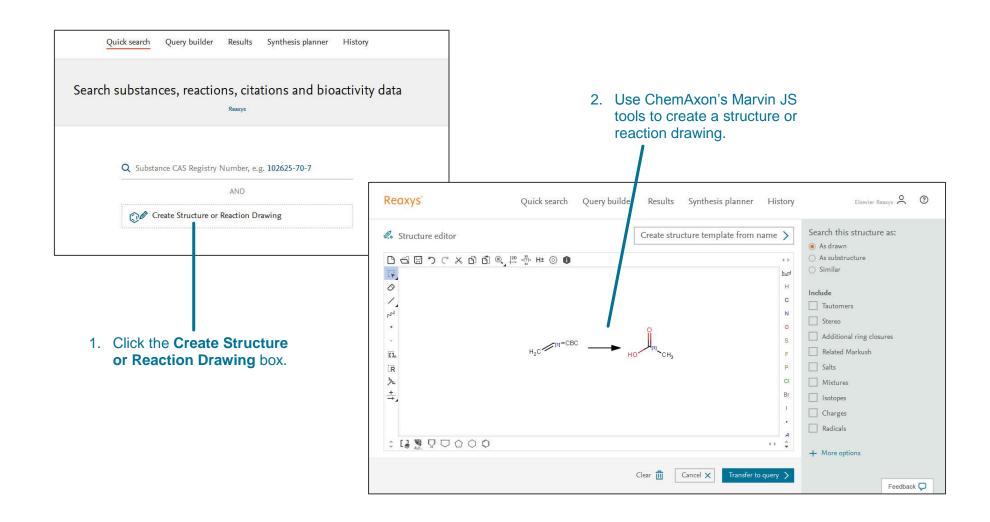


Quick search



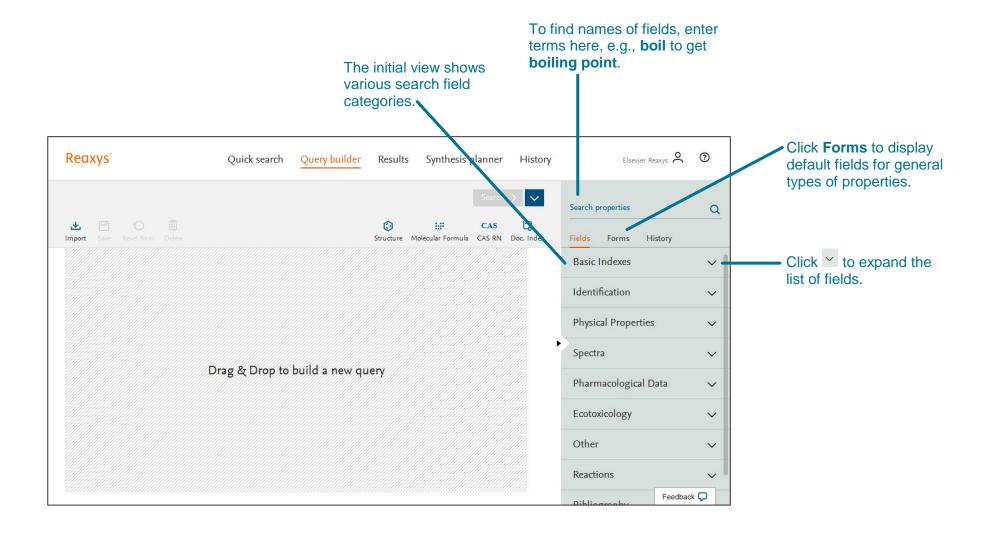


Quick search with Structure or Reaction Drawing



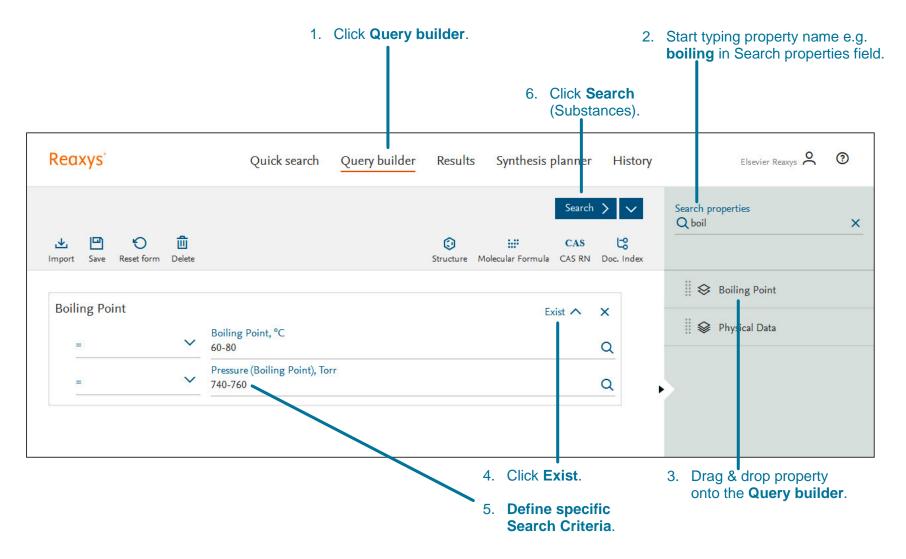


Query builder Fields & Forms Panel





Query builder Steps





Query builder: Multiple Properties and Booleans

Reaxys	Quick search Query builder	r Results Synthesis planner His	istory Elsevier Reaxys 🙁 📀
业 凹 🍤 前 mport Save Reset form Delet		Search > Sea	
Boiling Point =	60-80 — Pressure (Boiling Point), Torr	Exist A X Q Q	 Derivative Melting Point Physical Data
Melting Point	AND OR AND NOT PROXIMITY	 AND: NOT: second NEAR: any ord NEXT: the ord PROXI ensurin 	ontains data from at least one of the fields contains data from both fields contains the first field's data and excludes d : searches the terms in close proximity, bu



2. Results

Quick search Results Preview

Reaxys analyzes the **Quick search** query input and returns result sets in a Results Preview (note: only **Quick search** queries will present a results preview, because of the nature of query interpretation).

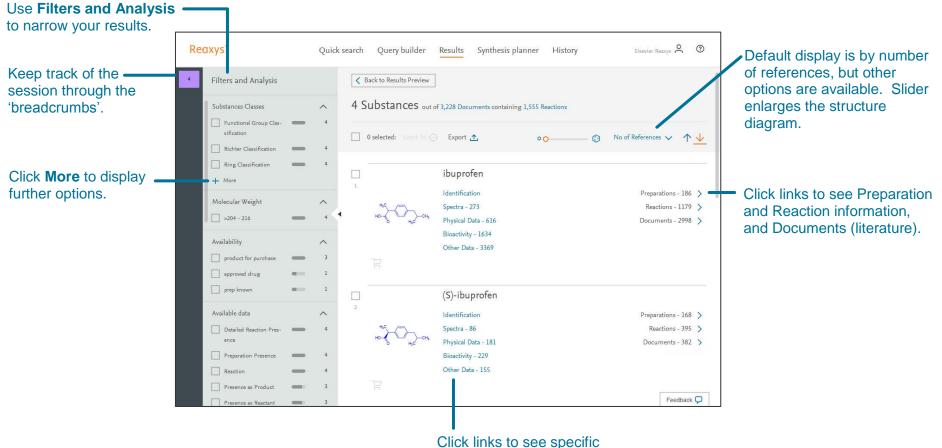
The result sets depend on the term(s) entered. In this case, Reaxys identified the name of a substance and searched for the substance by structure in Substance Records and by name in Document Records.

г									
	Reaxys		Quick search	Query builder	Results	Synthesis planner	History	Elsevier Reaxys	0
	- Back to Quick Search			Choose a r	esult fo	r imatinib			
This option indicates there is 1									
Substance Record – found through an exact search of the – structure.	0	Substances		Struct	ure : 👩 as	s drawn			
This option indicates there are over 28,000 Document	28898	Documents		Titles, Abstract	t, Keywords :	imatinib	Preview Results 🗸	View Results	>
Records – found through a search on the text term.									
					_	lick Previev to view the results of a	top three	Click Vi all result	

In other cases, Search Reaxys may give options that display Reaction Records or Document Records with different combinations of search terms entered.



Quick search or Query builder Results – Substances



information on the substance.



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Quick search or Query builder Results – Documents

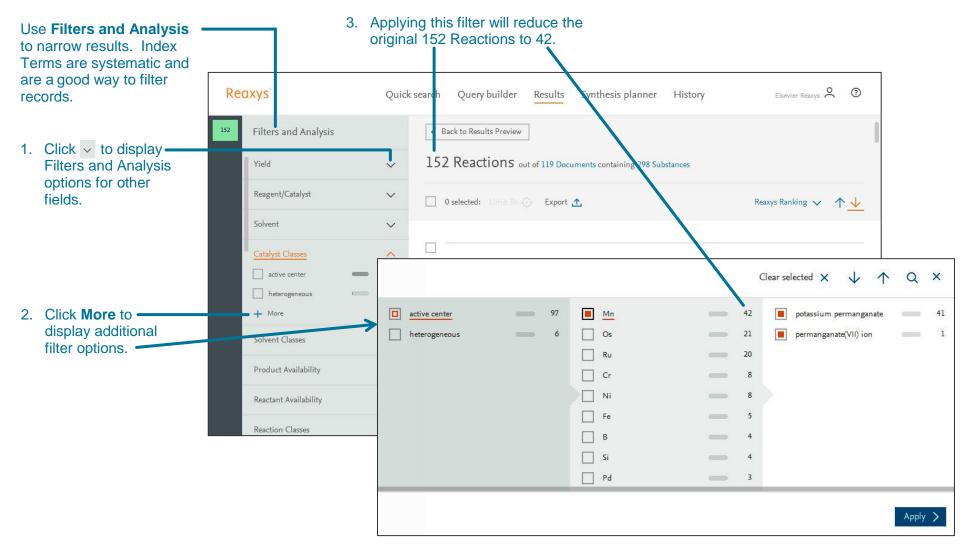
Use Filters and Analysis options to narrow your	6		
results.	Reaxys	Quick	search Query builder Results Synthesis planner History Elsevier Resuys 🗙 💿
	Filters and Analysis		Back to Results Preview
Use Index Terms to —	Index Terms (List)	^	42,183 Documents with 21,877 Substances, 25,512 Reactions
narrow documents		9,496	
by topics.	drug 🖷	8,104	□ 0 selected: Limit To ○ Export ▲ Relevance ∨ ↑ ↓ Default display is by
	antiinflammatory 🔍	2,982	Relevance, but other options
		2,845	□ Ibuprofen are available.
Click links for		2,804	Higgins, John D.; Gilmor, Timothy P.; Martellucci, Stephan A.; +2 others - Analytical Profiles of Drug Substances and Ex-
author(s) to explore		2,804	cipients, 2001, vol. 27, # C, p. 265 - 300
details about their	inhibitor 🔍	2,524	
publications and	+ More		Ibuprofen Click link to see citations in
additional analysis	Index Terms (ReaxysTree)	~	² Higgins, John D.; Gilmor, Timothy P.; Martellucci, Stephan A.; +2 others - Profiles of Drug Substances, Excipients and Related Methodology, 2001, vol. 27, p. 265 - 300
options in Scopus.	Publication Year	~	Full Text 7
	2009	2,107	IBUPROFEN COMPOSITION
	2011	2,078	³ Shen, Robert - US2008/113021, 2008, A1
	2008	2,077	Patent Family Members: WO2008/52033 A2; WO2008/52 33 A3: US2008/113021 A1: EP2094248 A2 Click links to Full Text,
		2,060	Front Page info (for patent
		1.985	□ Ibuprofen piconol Feedback
			Reactions, Abstract or Index Terms.





3. Analyze and Filter

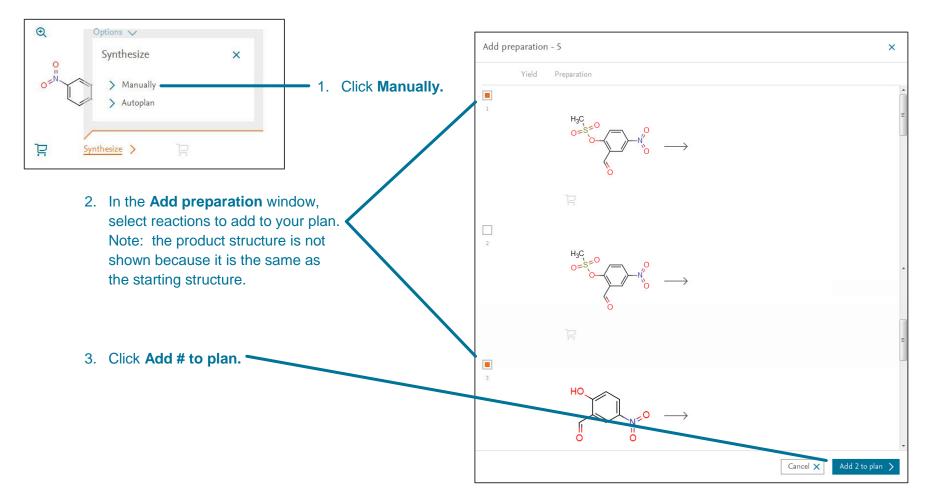
Use the Filter & Analysis panel to narrow your results:





4. Synthesis planner - Manually

Build a synthesis pathway manually or let Reaxys do it automatically (see page 13). To begin, click **Synthesize** below a structure.





Synthesis planner – Manually (continued)

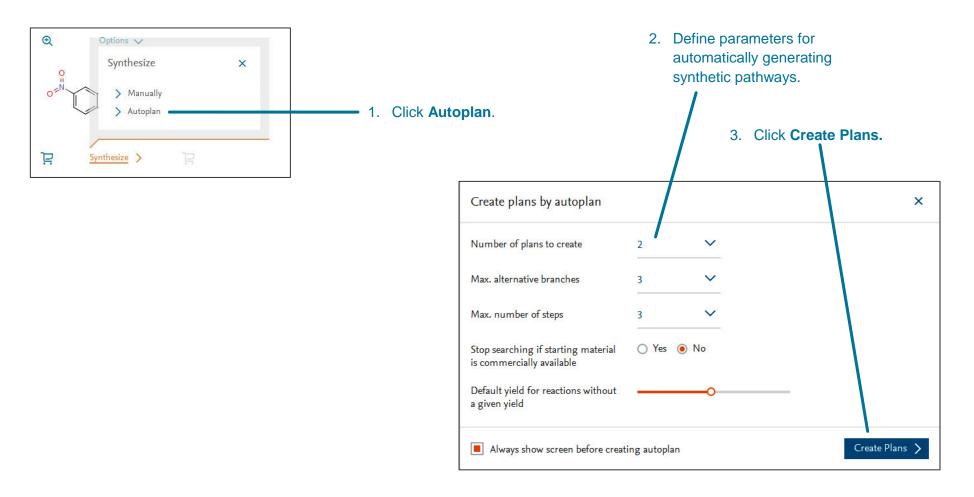
1. From the Synthesis planner, click the

Reaxys	Quick search Query builder Results Synt	esis planner History	该 Hide preparat	ion	
nth sis Planner Edit 🔗	Synthesis plan 2 Import 🛃 Save 🖳 Export 🛧		Remove prepa	iration	
thesis plan 2				3. Click S	how conditions.
		$ \begin{array}{c} & & & & \\ & & & & \\ & & & & \\ & & & & $	Ç.	prepara up or d	mental details for the selecter ation step is displayed, scrol own to view details of other on the synthesis plan.
		Condi	ions		
+ Create new		Prep	aration - 1b		
		Yield	Conditions	Re	ference
	nthesis step options (:) to act	64%	Stage #1: 2-formyl-4-nitrophenyl With DBU In dichloromethane at atmosphere Stage #2: With pyridine; phosphor 20°C	0°C for 2h Inert te p.	randane, Aiga; Belyakov, Sergey; Trapencieris, Pe- ris; +1 other - Tetrahedron, 2012 , vol. 68, # 27-28, 5541 - 5546 ill Text 7 Cited 13 times 7
	conditions		Experimental Procedure 🗸		Show details 💙
Add pre	eparations eparations e preparations		Stage #1: 2-formyl-4-nitrophenyl With DBU In dichloromethane at Stage #2: With pyridine; phosphor	0°C for 2h Ec	akrecka, Marina; Zalubovskis, Raivis; Vavers, lijs; +3 others - Letters in Drug Design and Dis- very, 2013 , vol. 10, # 5, p. 410 - 414
			20°C for 3h Experimental part		Ill Text 才 Cited 1 times 才 Show details እ
			experimental part		



Synthesis planner - Autoplan

Let Reaxys build a synthesis pathway automatically. To begin, click **Synthesize** below a structure.





Synthesis planner – Autoplan (continued)

1. From the Synthesis planner, click the plan to view. х (i) Show conditions Reaxys Quick search Query builder Results Synthesis planner History No Hide preparation 俞 Plan 1 Remove preparation Synthesis Planner Edit 🔗 nport 🛃 Save 🖳 Export 🛧 Undo 🕤 Redo () 🔹 o Autoplan 1 2 🔨 1 Plan 1 Click Show conditions. 3. 2 Plan 2 Experimental details for the selected preparation step is displayed, scroll up or down to view details of other steps in the synthesis plan. Conditions х Preparation - 2 + Create new Yield Conditions Reference 100% With triethylamine In dichloromethane at 0 - 20°C Grandane, Aiga; Tanc, Muhammet; Di Cesare Manfor 2h nelli, Lorenzo; +4 others - Journal of Medicinal Experimental part Chemistry, 2015, vol. 58, # 9, p. 3975 - 3983 2. Click the **Synthesis step options** (:) to access: Full Text 7 Cited 5 times 7 Show conditions • Show details > Hide preparations • With triethylamine In dichloromethane at 0 - 20°C 99% Grandane, Aiga; Belyakov, Sergey; Trapencieris, Pe-Add preparations • for 22.1667h teris; +1 other - Tetrahedron, 2012, vol. 68, # 27-28, **Remove preparations** p. 5541 - 5546 Experimental Procedure V Full Text 7 Cited 13 times 7 Show details > Done >



5. Saving and Exporting

FEATURE	COMMENT
Saving	
From the Query builder	 Define the query; click Save in the upper left. The query is saved to a .json file.
From the Synthesis planner	Not yet available.
From the History Page + Recent Tab	The History Page + Recent tab contains a list of searches from your current Reaxys session.
	Hover over a Recent Search, click Save , Enter a name, click Save .
	• The Saved search can now be found under the Saved tab.
Exporting	
From the Results Page :	 Select the document(s) you would like to export by ticking the boxes above the number of the search result. Click Export. Click Export. To view the export progress, click Exports in the lower right corner of the screen. When the export is complete, click Download.
From the Synthesis planner :	 Click Export. Click Export documents or Export reactions. Define Format and Additional options. Click Export. To view the export progress, click Exports in the lower right corner of the screen. When export is complete, click Download.