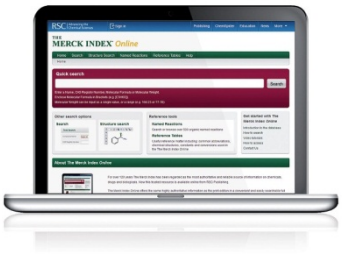
THE MERCK INDEX* Online

Chemistry's Constant Companion®



What is The Merck Index* *Online*?

The Merck Index has long been regarded as the most authoritative and reliable source of information on chemicals, drugs & biologicals. The Royal Society of Chemistry are proud to be the exclusive providers of the 15th edition.

The Merck Index *Online* has been developed from this new content to offer a powerful search functionality and a user-friendly interface, making it ideal for institution-wide access.

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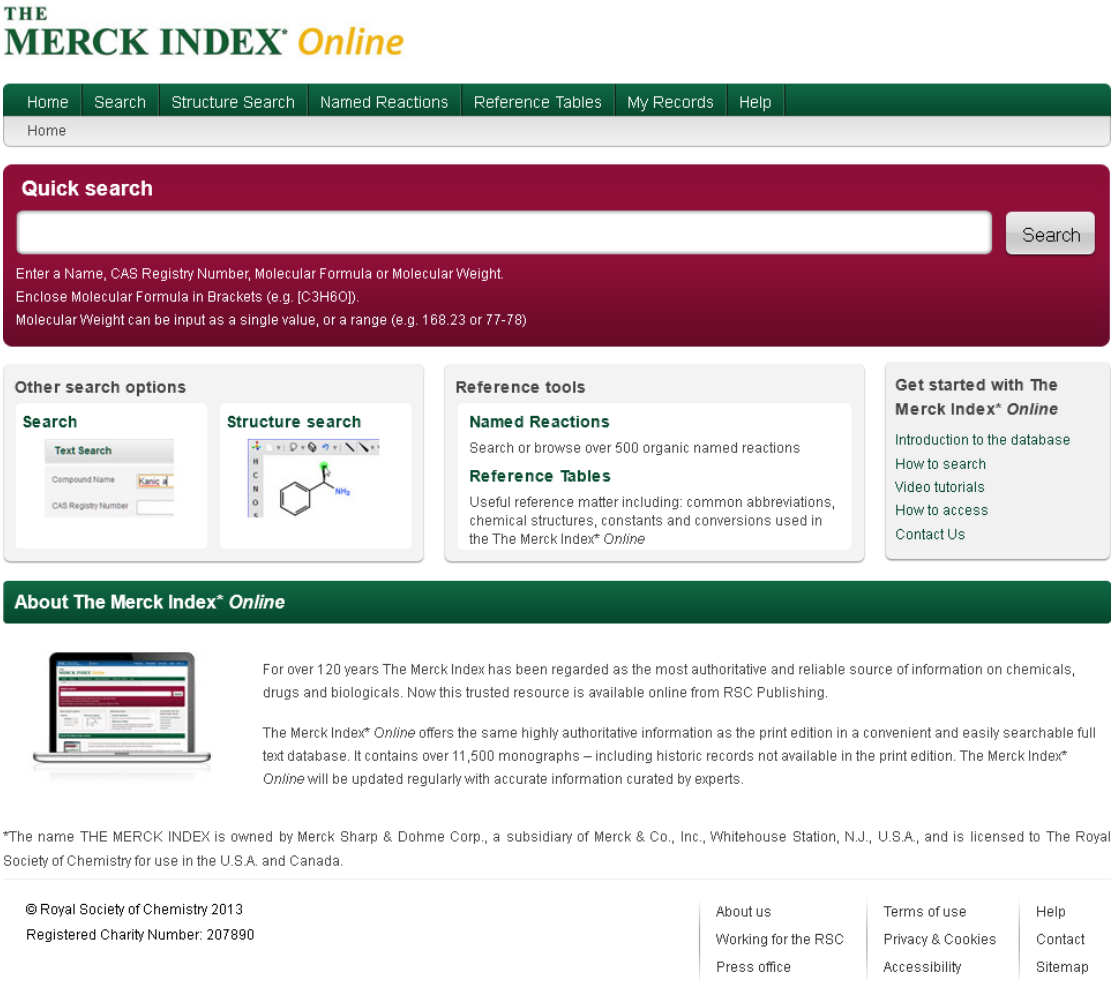
Further help can be found at http://www.rsc.org/Merck-Index/help or you can email us at rscindex@rsc.org.



ROYAL SOCIETY OF CHEMISTRY

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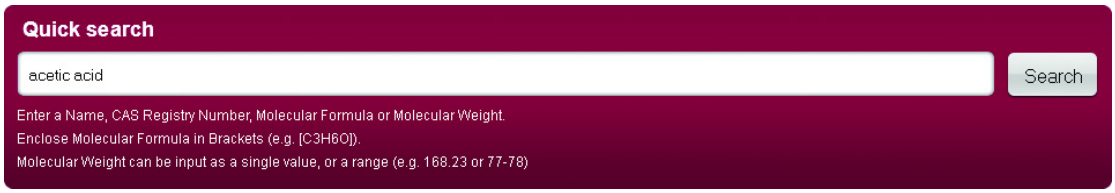
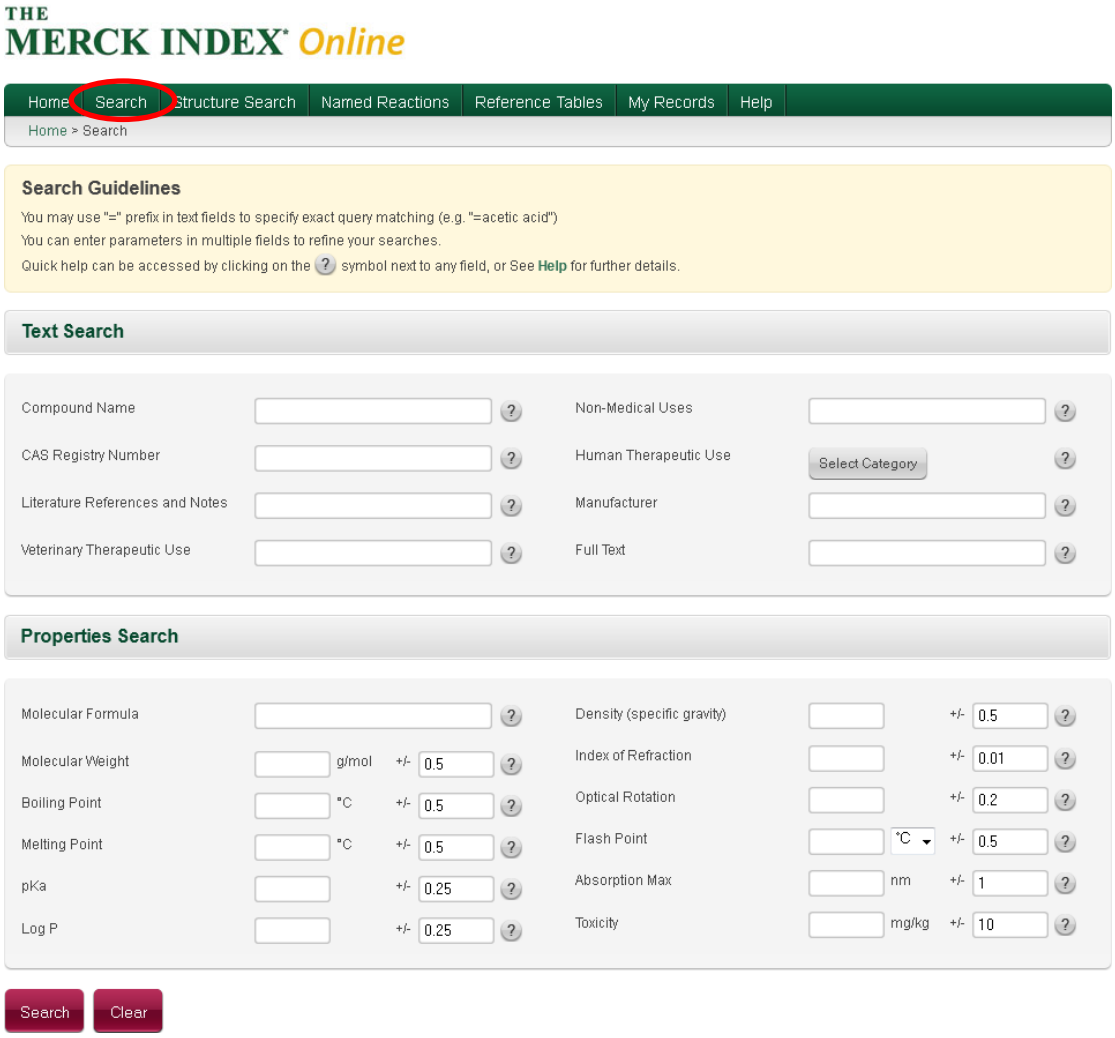
Quick search

- Quickly search The Merck Index *Online* using the box on the home page and at the bottom of individual records.



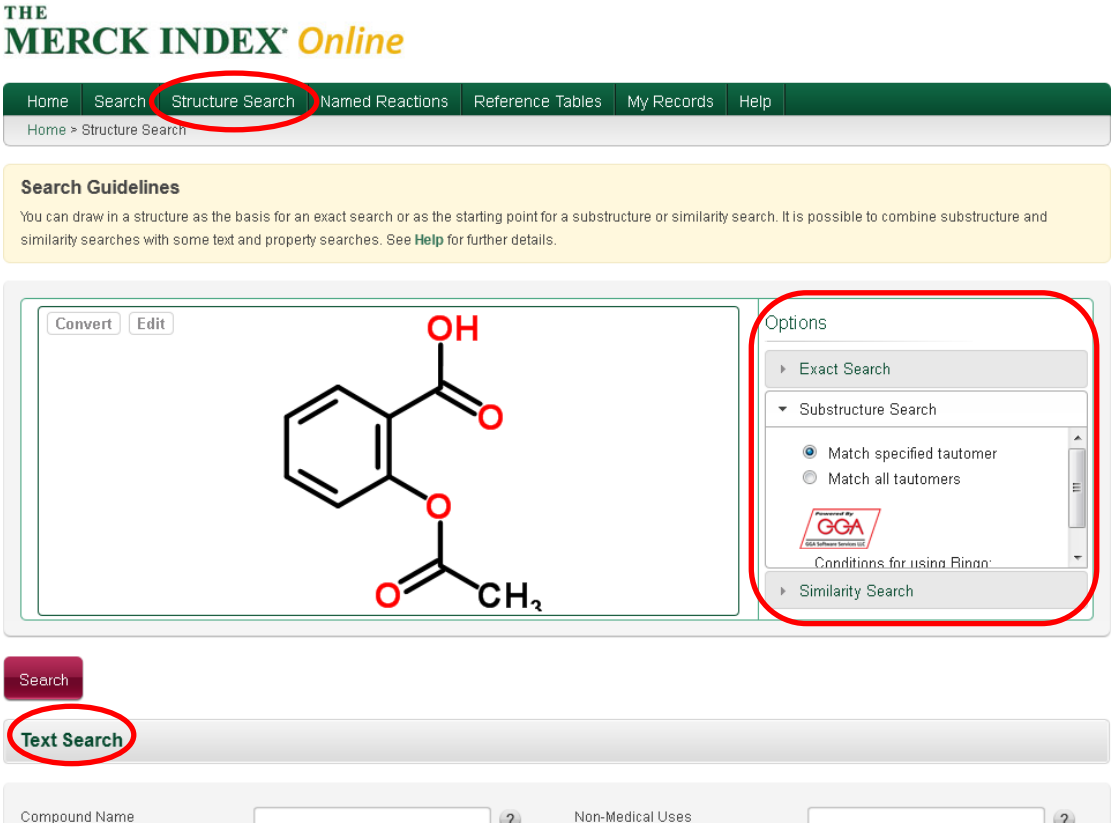
Advanced search

- Click **Search** to find records based on detailed properties, including uses, melting points and molecular weights
- Narrow your search by entering search terms in more than one field

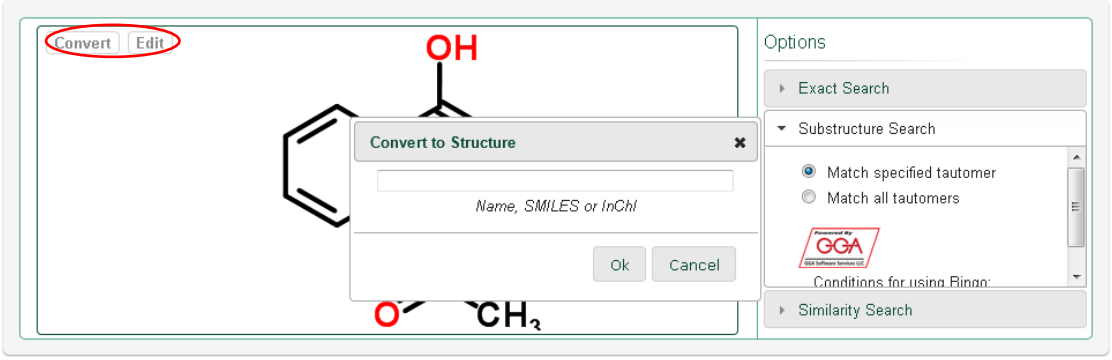


Structure search

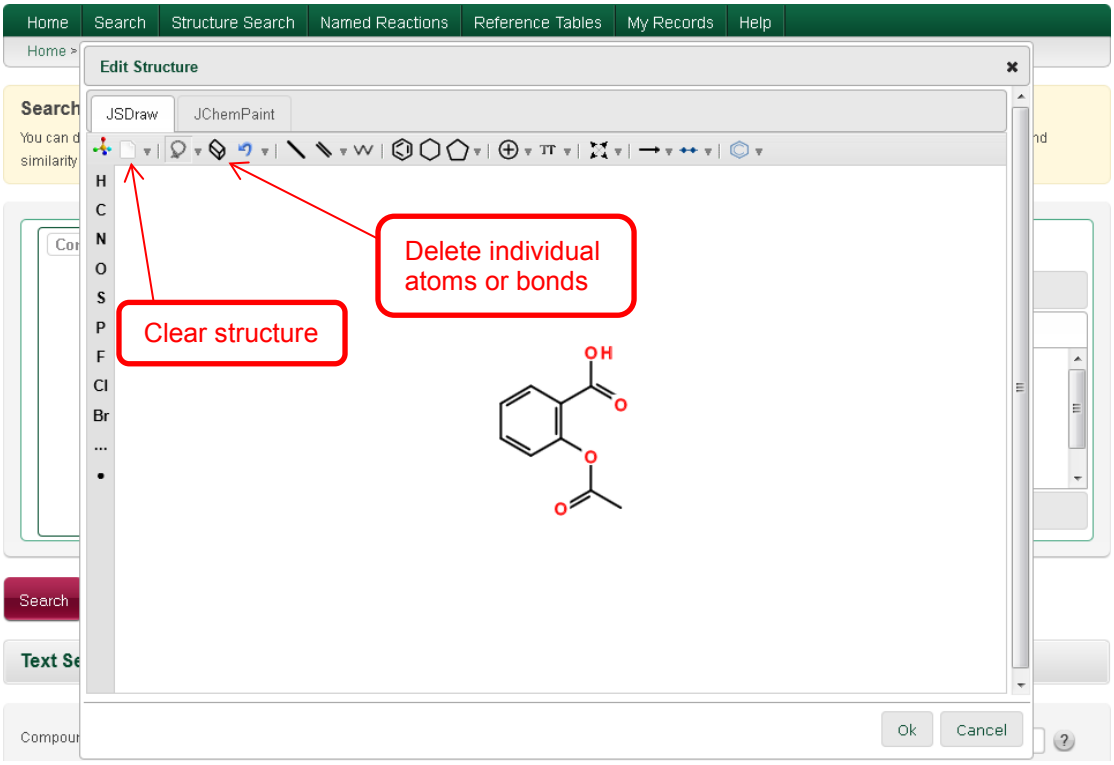
- Use the **Options** on the right to search the exact structure, as a substructure, or for similar structures
- Reduce the number of results by combining substructure or similarity searches with an advanced **Text** or **Properties Search**



- Click **Convert** to create a structure from a chemical name, or from a SMILES or InChI descriptor

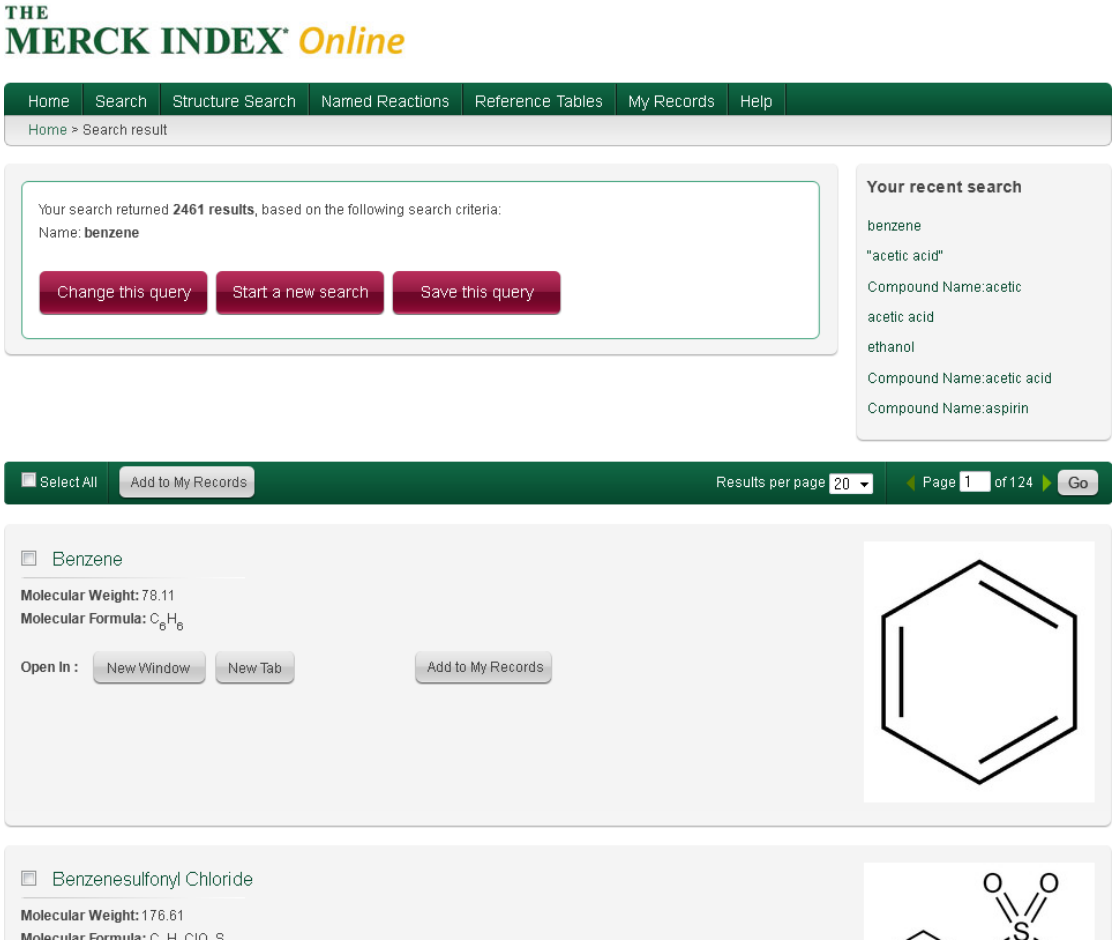


- Click **Edit** draw your own structure or substructure



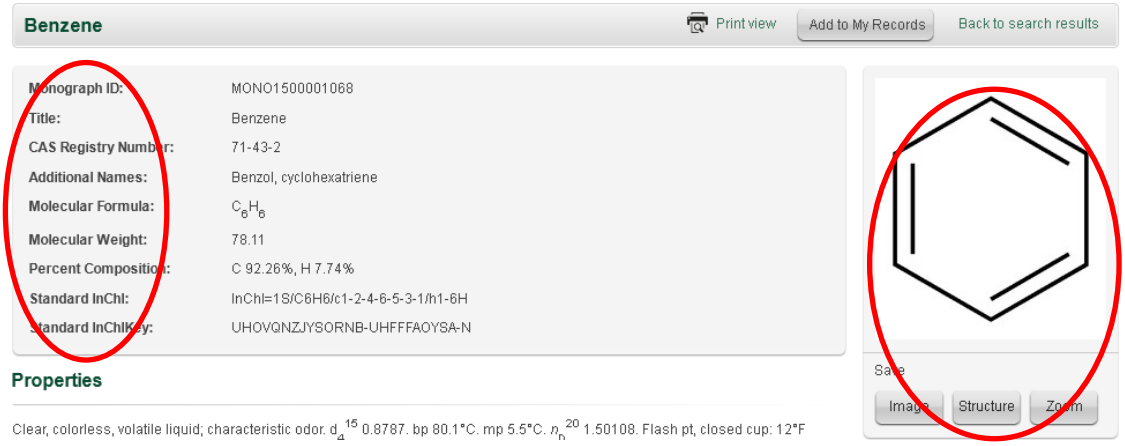
Search results

- The search results page shows records that match the search criteria, for example **2461 results** match the word ‘benzene’
- Structures, molecular weights and molecular formulae are displayed if available
- Click the name of the compound to open the record

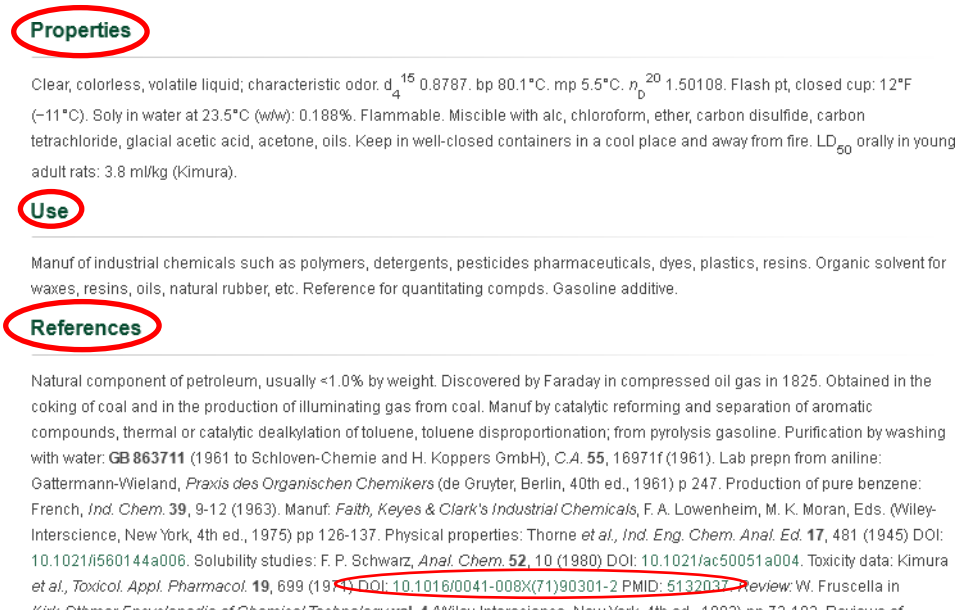


Monograph records

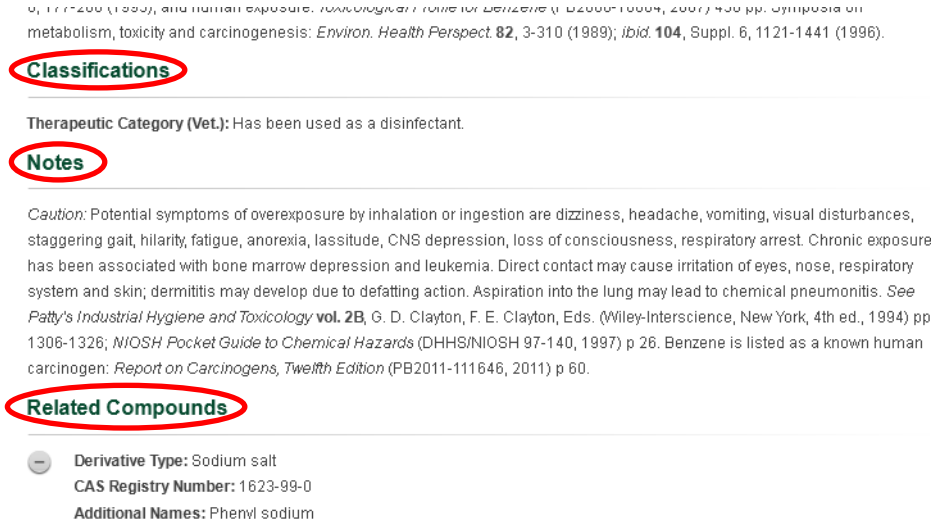
- Basic properties such as CAS Registry number, synonyms, trade names, molecular formula and molecular weight are listed at the top
- The chemical structure is listed on the right, which can be downloaded as jpg or mol files



- Authorised users can view additional data including chemical and physical **Properties** and **Uses**
- **References** to the published literature are given, e.g. for isolations, syntheses, clinical trials etc.
- **DOI** and **PubMed ID** numbers are included and link to the original article



- Therapeutic categories and other keywords are given under **Classifications**
- Additional **Notes** such as safety information may be available
- Data for **Related Compounds** such as derivatives, salts or stereoisomers are given if they do not have their own record



metabolism, toxicity and carcinogenesis: *Environ. Health Perspect.* **82**, 3-310 (1989); *ibid.* **104**, Suppl. 6, 1121-1441 (1996).

Classifications

Therapeutic Category (Vet.): Has been used as a disinfectant.

Notes

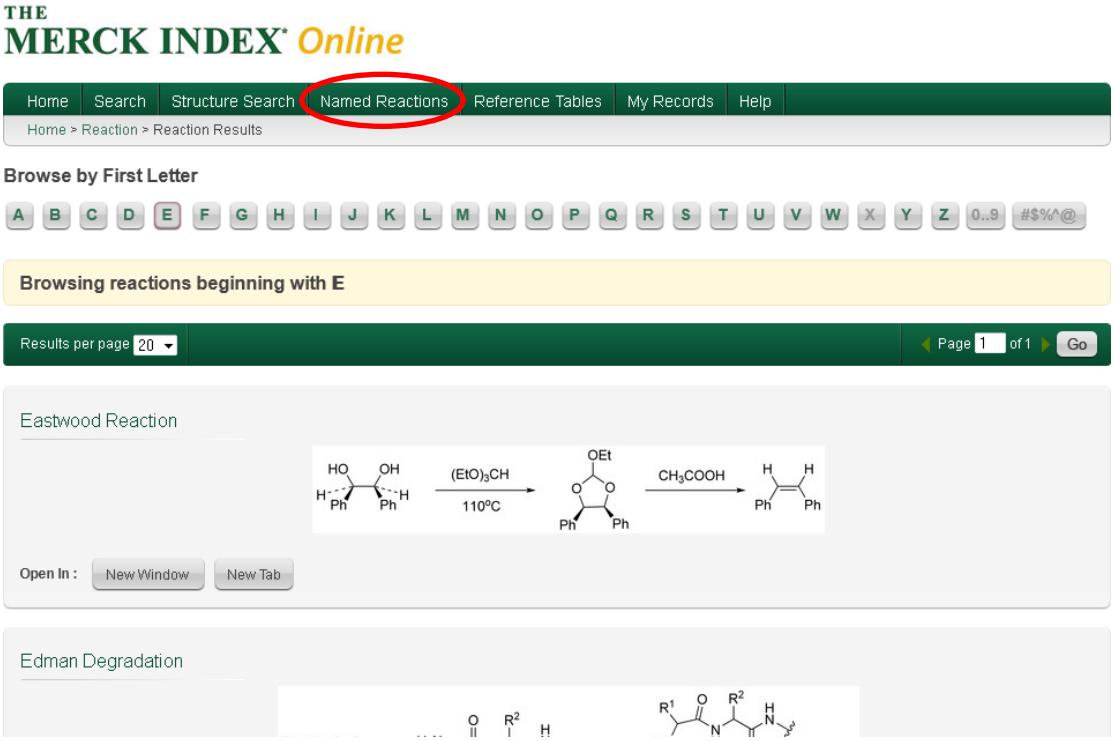
Caution: Potential symptoms of overexposure by inhalation or ingestion are dizziness, headache, vomiting, visual disturbances, staggering gait, hilarity, fatigue, anorexia, lassitude, CNS depression, loss of consciousness, respiratory arrest. Chronic exposure has been associated with bone marrow depression and leukemia. Direct contact may cause irritation of eyes, nose, respiratory system and skin; dermititis may develop due to defatting action. Aspiration into the lung may lead to chemical pneumonitis. *See Patty's Industrial Hygiene and Toxicology* **vol. 2B**, G. D. Clayton, F. E. Clayton, Eds. (Wiley-Interscience, New York, 4th ed., 1994) pp 1306-1326; *NIOSH Pocket Guide to Chemical Hazards* (DHHS/NIOSH 97-140, 1997) p 26. Benzene is listed as a known human carcinogen: *Report on Carcinogens, Twelfth Edition* (PB2011-111646, 2011) p 60.

Related Compounds

Derivative Type: Sodium salt
CAS Registry Number: 1623-99-0
Additional Names: Phenyl sodium

Named reactions

- Over 500 **Named Reactions** are listed and can be searched by name or browsed by initial letter
- The record for each reaction includes a description, scheme and representative references



Reference tables

- Useful supplementary information defining common chemical terms and conventions are available in pdf format in the **Reference Tables**

THE MERCK INDEX® Online

Home | Search | Structure Search | Named Reactions | Reference Tables | My Records | Help

Home > Reference Tables

The links below provide access to useful information relating to general c… …ne database. They are based upon the appendices provided in the print editio…

- Acronyms
- Alchemical Symbols Used in Biology and Botany
- Amino Acids Found in Proteins
- Atomic Weights Order of Atomic Number
- Chemical Terms Translator
- Common Heterocyclic Ring Systems
- Fundamental Physical and Mathematical Constants
- Glossary
- Greek Alphabet
- International Patent Country Codes
- International System of Units (SI)
- Latin Terms
- Russian Alphabet
- Selected Hexoses and Pentoses
- Table of Minerals
- Terms for Radicals and Groups Used for Nonproprietary Names
- Thermometric Equivalents
- Universal Conversion Factors
- Vaccines

Greek Alphabet

Name of Letter	Capital	Lower Case	Transliteration	Name of Letter	Capital	Lower Case	Transliteration
alpha	Α	α	a	nu	Ν	ν	n
beta	Β	β	b	xi	Ξ	ξ	x
gamma	Γ	γ	g	omicron	Ο	ο	o short
delta	Δ	δ	d	pi	Π	π	p
epsilon	Η	ε	e short	rho	Ρ	ρ	r
zeta	Ζ	ζ	z	sigma	Σ	σ or ς	s
eta	Η	η	e long	tau	Τ	τ	t
theta	Θ	θ	th	upsilon	Υ	υ	y
iota	Ι	ι	i	phi	Φ	φ or ϕ	f
kappa	Κ	κ	k, c	chi	Χ	χ	ch as in German echt
lambda	Λ	λ	l	psi	Ψ	ψ	ps
mu	Μ	μ	m	omega	Ω	ω	o long

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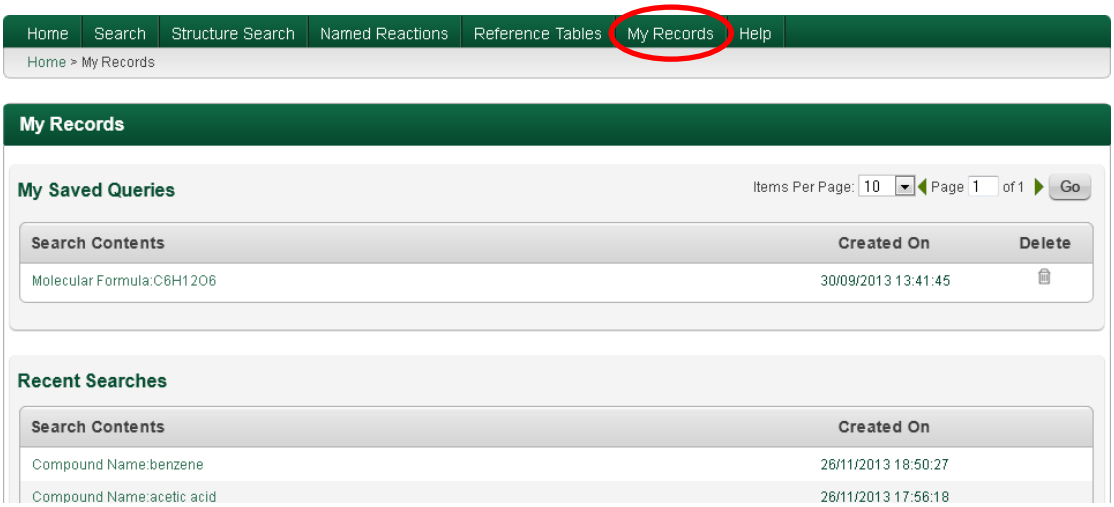
My Records

- If you are logged in, you can save your favourite searches and monographs by clicking the **Add to My Records** button
- You can save to the default list, previously created custom lists or a new list

- Click **My Records** to view your saved searches and monographs



- Pay-per-view monographs are automatically saved in the **Purchased Monographs** section
- You can share links to a saved list of records by **Email**