

faSTNotes

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Finding CAS Registry Numbers Using Complete Chemical Names

Your Strategy (or Planning Your Work)

- Remember that you look for complete chemical names in the Chemical Name Index (/CN)
- Append the /CN suffix to the name as you would normally write it
- IGNORE italicization, subscripts, and superscripts
- Use commas, hyphens, colons, and periods, as needed, without any special action on your part
- Put periods before and after the spelled-out names for Greek letters
- "Disguise" parentheses and/or apostrophes ("primes"), by enclosing the entire name in quotes or by replacing them by the ! wild card
- Replace any [with (and any] with) Remember to "disguise" the parentheses
- A simple three-step strategy to use:
 - 1) use the **EXPAND** command to verify that the name you know is in the Registry File (you will need to replace any [] with () and use the special notation for Greek letters)
 - 2) use the **SEARCH** command to ask that the E-number corresponding to the name of your substance be searched (the system will take care of adding any quotes, if necessary)
 - 3) use the **DISPLAY** command to look at the answer.

Tactics (or Working Your Plan)

- => E BUTYL BROMIDE/CN or
- => S BUTYL BROMIDE/CN
- => S TRANS, TRANS, TRANS-GERANYLGERANIOL/CN
- => S 1,2:3,4-DIEPOXYCYCLOHEXANE/CN
- => S '.ALPHA.-METHYLSTYRENE/CN
- => S "5,5'-DIBROMO-2,2'-DIHYDROXYBENZIL"/CN
- => S "BENZ (E) INDAN"/CN
- => E '.ALPHA., '.GAMMA.-DICHLOROHYDRIN/CN
- => S E3
- => D

Finding CAS Registry Numbers Using A Molecular Formula

Your Strategy (or Planning Your Work)

- Remember that you look for complete molecular formulas in the Molecular Formula Index (/MF)
- For inorganic compounds - compounds that do not contain carbon - simply arrange the elements in alphabetical order and indicate the number of each
- For organic compounds - compounds containing carbon, including organometallic and coordination compounds - arrange the elements in the order
 - * Carbon first
 - * Hydrogen, if present, second
 - * all other elements, including deuterium and tritium, in alphabetical orderand indicate the number of each
- Append the /MF suffix to the formula
- You may use either upper or lower case letters in the molecular formulas.
- You may not put spaces in the molecular formula for searching, even though they will appear with spaces in the display of the answers.
- IGNORE the fact that the numbers in the formulas are subscripts.
- A simple three-step strategy to use:
 - 1) use the EXPAND command to verify that the formula is in the Registry File
 - 2) use the SEARCH command to ask that the E-number corresponding to the formula of your substance be searched
 - 3) use the DISPLAY command to look at the answer.

Tactics (or Working Your Plan)

H1206V

C6H8BRN3O2

=> S 6H8BRCLF3N/MF

=> E C22H28N2O/MF

=> S E3

=> D