ACD/Labs
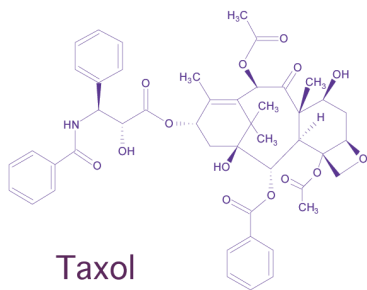
Can you draw the structure of Taxol in 4 seconds?
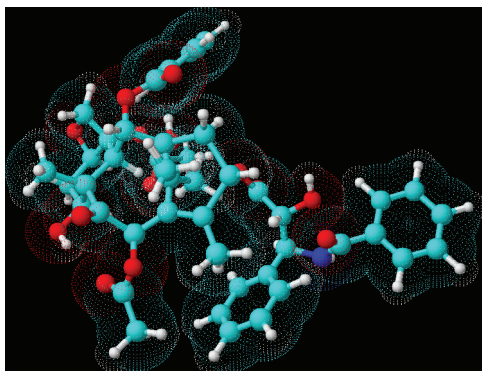
With ACD/Dictionary it's even faster!

And you can find out its 24 other names, including the one based on IUPAC recommendations, as well as its CAS number. You will also discover that international nomenclature organizations, such as BAN, INN, and USAN, refer to this structure as Paclitaxel.

Taxol

33069-62-4 [CAS Number]

Paclitaxel [BAN; INN; USAN]

($\alpha R,\beta S$)-β-(Benzoylamino)-α-hydroxybenzenepropanoic Acid, (2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-6,12b-Bis(acetyloxy)-12-(benzoyloxy)-2a,3,4,4a,5,6,9,10,11,12,12a,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetra methyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]b

ACD/Dictionary contains over 31,000 structures and 170,000 associated chemical names and synonyms, with the corresponding molecular structures of the most frequently used chemicals and biomolecules classified by more than 200 therapeutic categories. Additionally, Dictionary contains names and structures of different inhibitors for more than 500 enzymes.
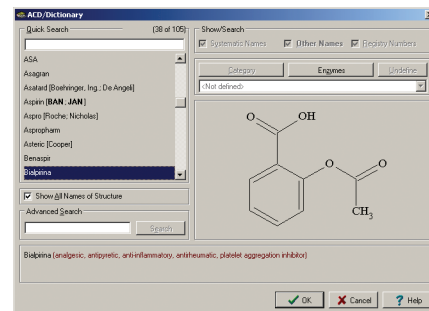
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Dictionary is part of the commercial version of ACD/ChemSketch, a renowned software package featuring advanced chemical drawing and publishing capabilities, which can be used to import and export structures to molfiles, and ChemDraw and ISIS/Draw formats. You can transfer the Dictionary structure to ChemSketch to edit, calculate its molecular and spectral properties, and include it in chemical reaction schemes.

One chemical structure— how many synonyms or trade names exist to describe it?

ACD/Dictionary can answer that question in a heartbeat.

Draw or import your structure, and quickly obtain an answer. You can even define the configuration of stereocentres and double bonds, if necessary, to make your search more specific.

Additional features available in the commercial version of ACD/ChemSketch:

· ACD/Labs Extension for ChemDraw
· SDfile Viewer

· Search for Structure option
· Technical support

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