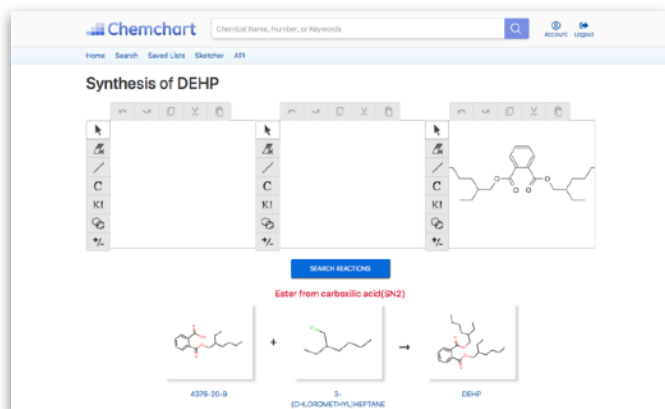


Chemical Synthesis Models & API

Predict Synthesis Pathways for New Chemicals



ChemChart's proprietary, machine learning based models predict synthesis pathways for chemicals.

Customers can find new utility in building blocks and intermediate catalogs.

ChemChart maximizes the number of touch points for each chemical.

ChemChart Pro Synthesis: is a complete machine learning - informed tool for predicting synthesis pathways. Whether you are looking to synthesize a novel chemical, or trying to unlock the power of your building block and intermediates portfolio, *ChemChart Synthesis* provides unparalleled insight.

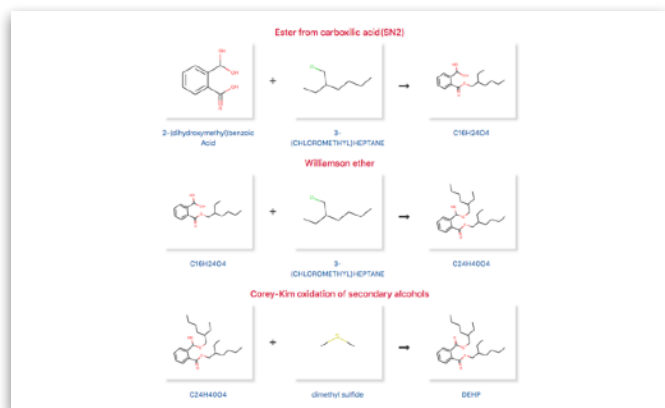
ChemChart Synthesis is available via direct API integration, or for secure use behind your corporate firewall.

ChemChart.com:

Free-to-use, Chemchart.com is a search engine for chemicals. Powered by proprietary algorithms, ChemChart has unique capabilities that allow researchers to find chemical information in novel ways.

ChemChart's most unique feature is its search capability. Historically, to find a chemical, a user would need to know its name, structure, or some identifier. With ChemChart's language-based search, they can search by keyword. Users can search by broad categories: function (neurotoxicant), structure (carboxyl group), property (hydrophobic), or even abstract concepts (contaminant). These keywords can be combined to refine searches and return a list with specific properties.

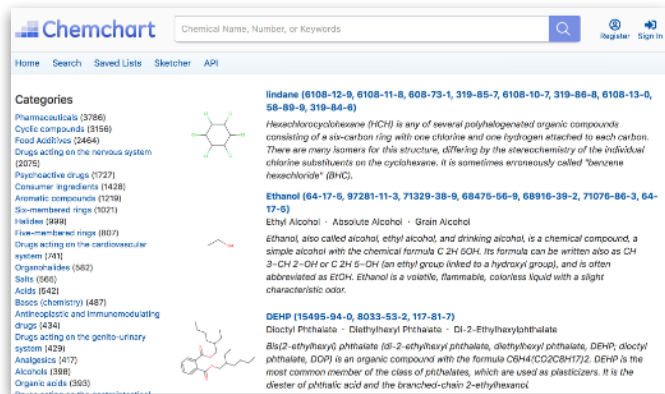
Multi-Step Synthesis Increases Versatility



ChemChart predicts single and multi-step synthesis pathways.

Users can limit the number of reactions. Alternatively, users can request that all starting reagents be commercially available or within specific catalogs.

Scalable and Adaptive



The interface shows a search bar with 'Chemical Name, Number, or Keywords'. Below, a 'Categories' section lists various chemical classes. The search results for 'lindane' (6108-12-9, 6108-11-8, 608-73-1, 319-85-7, 6108-10-7, 319-86-8, 6108-13-0, 58-89-9, 319-84-8) are displayed, including its chemical structure and description: 'lindane (6108-12-9, 6108-11-8, 608-73-1, 319-85-7, 6108-10-7, 319-86-8, 6108-13-0, 58-89-9, 319-84-8) is a bicyclic sesquiterpene consisting of a six-membered ring with one chlorine and one hydrogen attached to each carbon. There are many isomers for this structure, differing by the stereochemistry of the individual chlorine substituents on the cyclohexane. It is sometimes erroneously called "lincene hexachloride" (BHC).

API Integration

Direct access to *ChemChart Synthesis* via REST API.

Ideal for use on external website and marketplaces .

Enterprise Integration

Secure access to models from behind your own firewall. Ideal for internal research and development.

ToxTrack

Founded by computational toxicologists, ToxTrack builds cheminformatics products for enterprise. We utilize machine learning and to increase data access, optimize chemical R&D, and facilitate research.

LEARN MORE AT [CHEMCHART.COM/PRO](https://chemchart.com/pro)

ToxTrack