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MilliporeSigma is the U.S. and Canada Life Science business of Merck KGaA, Darmstadt, Germany.

Features

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SYNTHIA® Lab brings the power of computer assisted retrosynthetic planning to academic groups and non-profit research teams, making it easier than ever to explore new synthetic pathways, accelerate discovery, and inspire innovation. Developed over 21 years and powered by expert-coded chemistry rules, SYNTHIA® Lab helps you design robust, creative routes for both new and published molecules—no matter your lab's size.

	SYNTHIA® Lab	SYNTHIA® Enterprise
Automatic Retrosynthesis Design synthetic routes for your target molecules automatically	✓	✓
Step-by-step Analysis Break down synthesis into individual reaction steps for detailed review	✓	✓
Similarity Search Find commercially available and published compounds similar to your target	✓	✓
Unlimited Searching No restriction to the number of targets or searches to run or store in an account	✓	✓
Shopping List Access a catalog of over 14 million commercially available building blocks and reagents	✓	✓
Whiteboard Add your own ideas to pathways by drawing and editing structures and reactions	✓	✓
Collaboration Features Share and comment on analyses with colleagues	✓	✓
Online Group Trainings Live sessions covering introductory and advanced topics are available monthly to all SYNTHIA® users	✓	✓
Online Individual Trainings One-on-one live sessions with a SYNTHIA® Expert available for personalized training and questions	✗	✓
Custom Group Training Tailored training sessions arranged for your team	✗	✓
Registered Users Number of user accounts allowed per license plan	Up to 10	Depends on plan
Site Licensing Unlimited users across a site or organization available	✗	✓
Single sign-on (SSO) Easy and secure user access with a single click	✗	✓
Batch Analysis Analyze multiple targets at once using batch retrosynthesis	✗	✓
Library Features Plan routes to synthesize a target library and generate libraries of synthesizable compounds using forward synthesis prediction	✗	✓
Custom Inventory Secure upload of your own starting materials, including proprietary or in-house compounds	✗	✓
Usage reports On demand summary of usage statistics	✗	Available on request



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MK_FL14666EN Ver. 1.0 09/2025