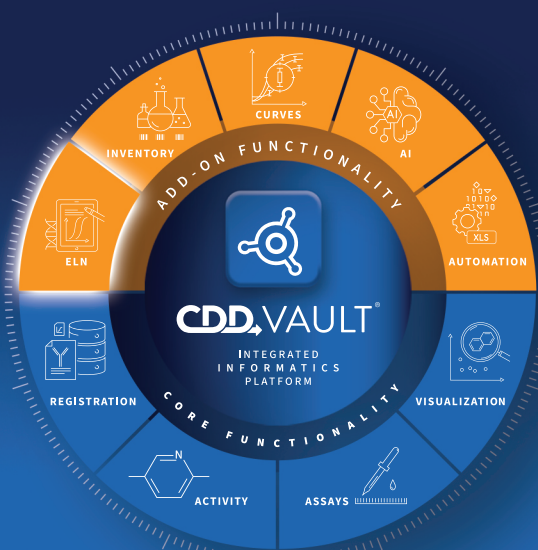




ELN

DATA SHEET

Designed with flexibility in mind, CDD Vault's Electronic Lab Notebook surpasses traditional lab notebooks and digital notebooks by enhancing real-time collaboration, simplifying information retrieval, better protecting IP, and ensuring regulatory compliance.



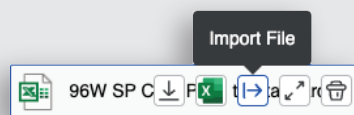
DATA CAPTURE

- ELN fields allow structured metadata capture and enforcement of business rules for standard data capture.
- Spreadsheets can be stored in ELN entries or can be used to register assets or load assay results into your vault from the ELN.
- Use the ELN for unstructured bioassays during assay development before registering protocols for production use.
- Seamlessly link to object records within the ELN using the ampersat (@) to reference molecules, batches, samples, protocols, runs and other entries in your vault.
- Access and edit Microsoft Word, Excel and PowerPoint files online using the CDD Vault ELN's integration with Microsoft 365.
- Draw structures to keep track of intermediates and ideas, easily register drawn molecules or use the new molecule button for registering any entity type, including sequence based and structureless biologics directly from the ELN.
- When a reaction is drawn, Vault's ELN will automatically create a stoichiometry table for reaction data capture and calculations.

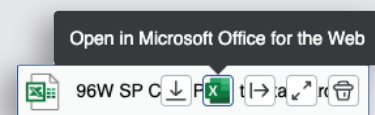
ELN Fields	Name	Data Type	Must be Unique	Is Required	
Project				<input checked="" type="checkbox"/>	Remove ↕
Experiment Type		Pick List	<input type="checkbox"/>	<input type="checkbox"/>	Remove ↕
Attached Document		File	<input type="checkbox"/>	<input type="checkbox"/>	Remove ↕
Scientist Name		Text	<input type="checkbox"/>	<input type="checkbox"/>	Remove ↕

[Add ELN Field](#) [Update ELN fields](#) or [cancel](#)

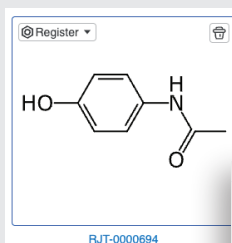
Customizable ELN fields



Import spreadsheets from the ELN



Open and edit spreadsheets with Microsoft Office for the Web



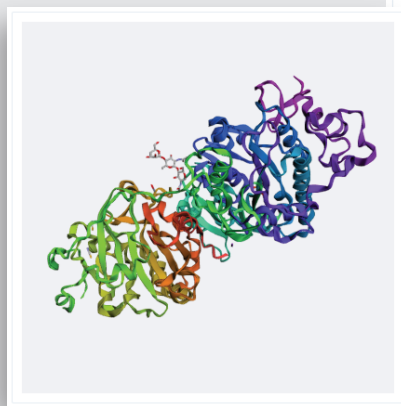
Reaction table within CDD Vault ELN

Drawn molecule automatically identified with molecule ID from Vault

Name	Properties	Amounts	Calculation	Comment
1 Name: Optional Molecule: Register MW: 109.13 g/mol FW: 109.13 g/mol Density: Optional Exact mass: 109.052764 Da		Mass: 100 mg %w/w ratio: 100 % Volume: Optional %v/v ratio: 100 % Purity: 100 %	Limiting reagent Equivalent: 1 Mole: 0.916 mmol Effective mole: 0.916 mmol	Optional
2 Name: Optional Molecule: Register MW: 102.09 g/mol FW: 39.997 g/mol Density: Optional Exact mass: 102.031894 Da		Mass: 35.5 mg %w/w ratio: 100 % Volume: Optional %v/v ratio: 100 % Purity: 100 %	Limiting reagent Equivalent: 1 Mole: 0.916 mmol Effective mole: 0.916 mmol	Optional
3 Name: Optional Molecule: Register MW: 39.997 g/mol FW: 39.997 g/mol Density: Optional Exact mass: 39.985508 Da		Mass: Optional %w/w ratio: 100 % Volume: Optional %v/v ratio: 100 % Purity: 100 %	Limiting reagent Equivalent: 0 Mole: Optional Effective mole: Optional	Optional
4 Name: Optional Molecule: Register MW: 151.16 g/mol FW: 151.16 g/mol Density: Optional Exact mass: 151.093309 Da		Mass: 50 mg %w/w ratio: 100 % Volume: Optional %v/v ratio: 100 % Purity: 100 %	Equivalent: 1 Mole: 0.331 mmol Effective mole: 0.316 mmol Expected mass: 139 mg Yield: 38.1 %	Optional
5 Name: Optional Molecule: RJ-T-000618 edit MW: 60.052 g/mol FW: 60.052 g/mol Density: Optional Exact mass: 60.021129 Da		Mass: 20 mg %w/w ratio: 100 % Volume: Optional %v/v ratio: 100 % Purity: 100 %	Equivalent: 1 Mole: 0.331 mmol Effective mole: 0.316 mmol Expected mass: 60 mg Yield: 54.52 %	Optional

CROSS FUNCTIONAL COLLABORATION

- CDD Vault's ELN enables seamless cross-team collaboration. Biologists can use templates for structured protocol capture and view plasmid or PDB files in the same ecosystem that chemists capture reactions and register structures.
- Share findings, collaborate on data analysis, co-author documentation, and approve versions with colleagues around the globe.
- At mention your colleagues to send them notifications to collaborate on experiments directly in an ELN entry.
- Share, annotate, and mentor in real-time across your teams to streamline your research processes.



Interactive PDB viewer within ELN

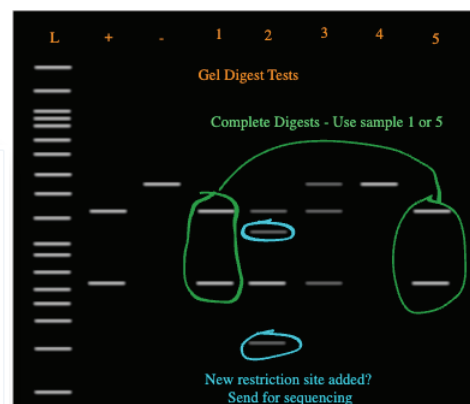
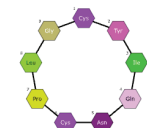


Image Annotation within ELN

Pep-0000015



Overview Batches 1 Samples 0 Links 2 Plates 0 Protocols 0 Collections

Links

KayTee Therapeutics - Peptide

▼ Entries (2)

1983079 - Cyclic Peptide Analysis - 1983077 - Cyclic Peptide Synthesis Entry

Autogenerated breadcrumb links in the CDD Vault registry

DATA INTEGRITY AND RETRIEVAL

- Seamlessly connect your ELN to CDD Vault's registration with automatic breadcrumb links when an object is linked in an entry.
- Use custom templates for synthesis experiments, reaction conditions and compound registration, ensuring consistency and reproducibility across users.
- Maintain compliance with regulatory standards like GLP and FDA guidelines. Our audit trail, versioning and electronic signature ensures that your data meets all legal requirements for publication and patent applications.
- CDD Vault electronic entries are easily searched, filtered, exported and printed, offering quick access to crucial data when needed. ELN search can also search within text searchable attachments such as PDFs and Word documents.

Audit trail with versions tracked

Version	Date	Author	Action
<input type="checkbox"/> v. 9 (current)	2025-03-06 10:16	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 8	2025-03-06 10:15	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 7	2025-03-06 10:08	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 6	2025-03-06 09:11	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 5	2025-03-06 09:01	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 4	2025-03-04 17:25	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 3	2025-03-03 08:07	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 2	2025-03-03 08:06	Robert Kotak-Thorn	Modified Entry
<input type="checkbox"/> v. 1	2025-03-03 08:06	Robert Kotak-Thorn	Created Entry
-	2025-03-03 08:06	Robert Kotak-Thorn	Applied Template

Template Name: Template Test

Compare

Download CSV

ID	Title	Author	Last Modified	Created	Status
1978774	Acetaminophen Synthesis and Assay	Robert Kotak-Thorn	2025-03-03	2025-03-03	Open

Showing 1 entry

Export entries

Export summary

Search finds hits from body of entry as well as from a PDF

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