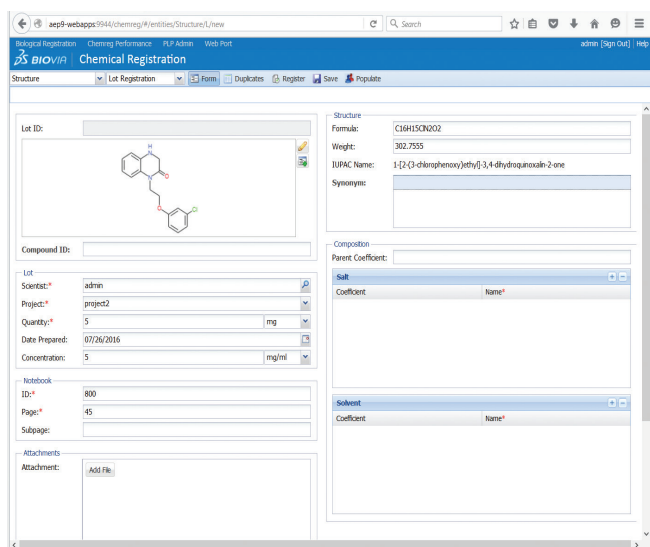


BIOVIA CHEMICAL REGISTRATION

DATASHEET

BIOVIA Chemical Registration is a fully featured, flexible, out-of-the-box solution that enables you to build, manage and search a corporate substance and batch database. Built on BIOVIA Foundation, BIOVIA Chemical Registration supports the registrations of substances both individually and in bulk and provides unparalleled flexibility and extensibility through configuration via BIOVIA Pipeline Pilot.



Registering a single substance via the Chemical Registration Web Client

PREMIER CHEMICAL REGISTRATION

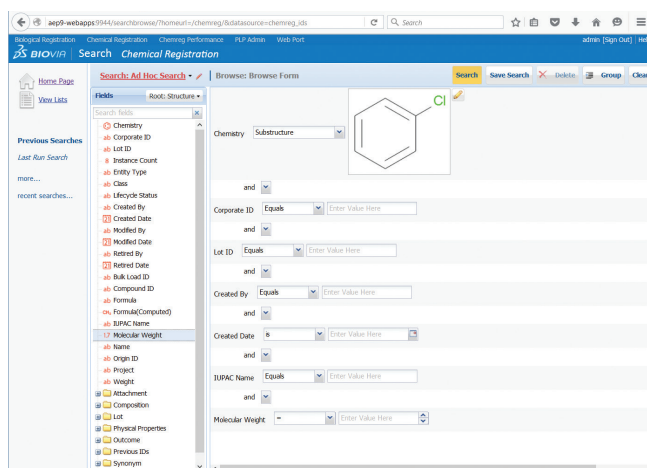
- Modern, configurable web interface
- Zero deployment client
- BIOVIA Direct for structure storage
- Supports BIOVIA Draw and ChemDraw
- Build in chemical structure rendering and drawing via the BIOVIA Plugin and BIOVIA Pipette
- Configurable business rules for drawing, storing and reporting on substance data
- Register individual substances and in bulk from SDfiles
- Register mixtures of registered substances
- Support for virtual, generic and lot-based registration
- Comprehensive RESTful API enables registration, curation and edit services to be used from other applications such as ELNs and inventory systems
- Configure and extend the Registration schema without the

need for code changes

- Configurable user roles support restricting access and editing rights on a user or group basis
- Flexible security model enables controlled access to be provided to CROs to support research externalization
- Configurable reports
- Configurable salt and solvent stripping
- Built in searching capabilities
- Configurable post-registration notifications
- Out-of-the-box Integration with BIOVIA Insight and Insight for Excel streamlines data transfer and enables in depth analysis of registered substance data
- Optional integrations available with BIOVIA Notebook and Workbook

IDEAL SOLUTION FOR ORGANIZATIONS OF ALL SIZES

BIOVIA Chemical Registration is ideal for global pharmaceutical companies, as well as start-up and biotechnology companies. It delivers all the components that IT managers need to configure a corporate registration database. BIOVIA Chemical Registration flexibly handles all data for storage. IT managers are not limited to a pre-defined set up and are provided with a comprehensive set of configuration options to enable them to deliver a registration system that expressly meets the needs of their organization.



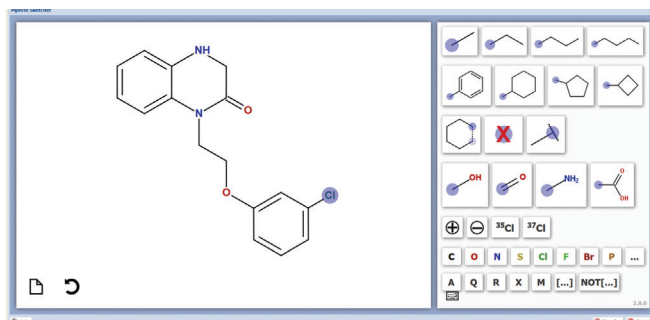
Searching for registered substances using the ad-hoc query builder in BIOVIA Search

CHEMISTRY DATA ACCESS

BIOVIA Chemical Registration is built on BIOVIA Foundation and benefits from the power and configurability offered by BIOVIA Pipeline Pilot. It uses a metadata-driven approach to deliver a clean and lightweight user interface. Searching is enabled by BIOVIA Search, which provides forms-based browsing and querying of registered substances and associated data. The application provides advanced chemical drawing and query tools that give users the ability to quickly locate chemical data of interest using a fast, drag and drop approach to data access.

The result is faster answers, better support for decisions and improved R&D productivity. Using BIOVIA Chemical Registration to browse registered substance data makes it much easier for scientists to access the outcome of experiments and prioritize new compounds for testing.

BUILT ON A SOLID CHEMINFORMATICS FOUNDATION



Drawing a chemical structure for registration using BIOVIA Pipette sketcher

BIOVIA Chemical Registration chemical data is entrusted to BIOVIA Direct, the premier repository chosen by the majority of the world's chemical and life sciences companies. BIOVIA Direct offers unparalleled search performance and the widest range of supported chemical entity types and query options to enable precision searching.

Chemical structure drawing can be performed with BIOVIA Draw, a desktop drawing application that provides robust chemical representation and a comprehensive set of drawing tools and capabilities. Through the built-in BIOVIA Plugin option, chemists can also draw chemical structures using BIOVIA Pipette, a zero deployment, easy-to-use lightweight sketcher. Alternative chemistry sketchers such as ChemDraw are also supported.

FLEXIBILITY AND EXTENSIBILITY

Chemical Registration 2016

REST API Reference

entities : Chemical Registration Entities

GET

/entities/

Retrieve a list of entities.

POST

/entities/

Register a new entity.

DELETE

/entities/{id}

Retires a specified entity.

GET

/entities/{id}

Retrieves detailed information about a specified entity.

PUT

/entities/{id}

Update an existing entity.

GET

/entities/filters/

Returns a list of pre-defined filters that can be used in Queries.

GET

/entities/classes/

Returns a collection of classes available to register.

GET

/entities/\$template

Retrieves a template entity representation.

vocabularies : Access to Chemical Registration resources

GET

/vocabularies/{id}/vocabularies/

Retrieves a list of items from a resource.

Implementation Notes

Retrieves a list of items from a resource.

Parameters

Parameter	Value	Description	Parameter Type	Data Type
id	(empty)	The resource identifier.	path	string

Browsing the RESTful end points available for providing registration capabilities from other applications

The database, registration services and user interface can all be configured to meet the needs of your organization

A comprehensive RESTful API enables single and file-based registration, curation and edit services to be developed and consumed from other applications such as ELNs and inventory systems.

Configurable validation, calculation and population services enable structural composition and custom properties such as logP or Lipinski's Rule-of-Five to be evaluated and calculated for individual and bulk registrations

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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