

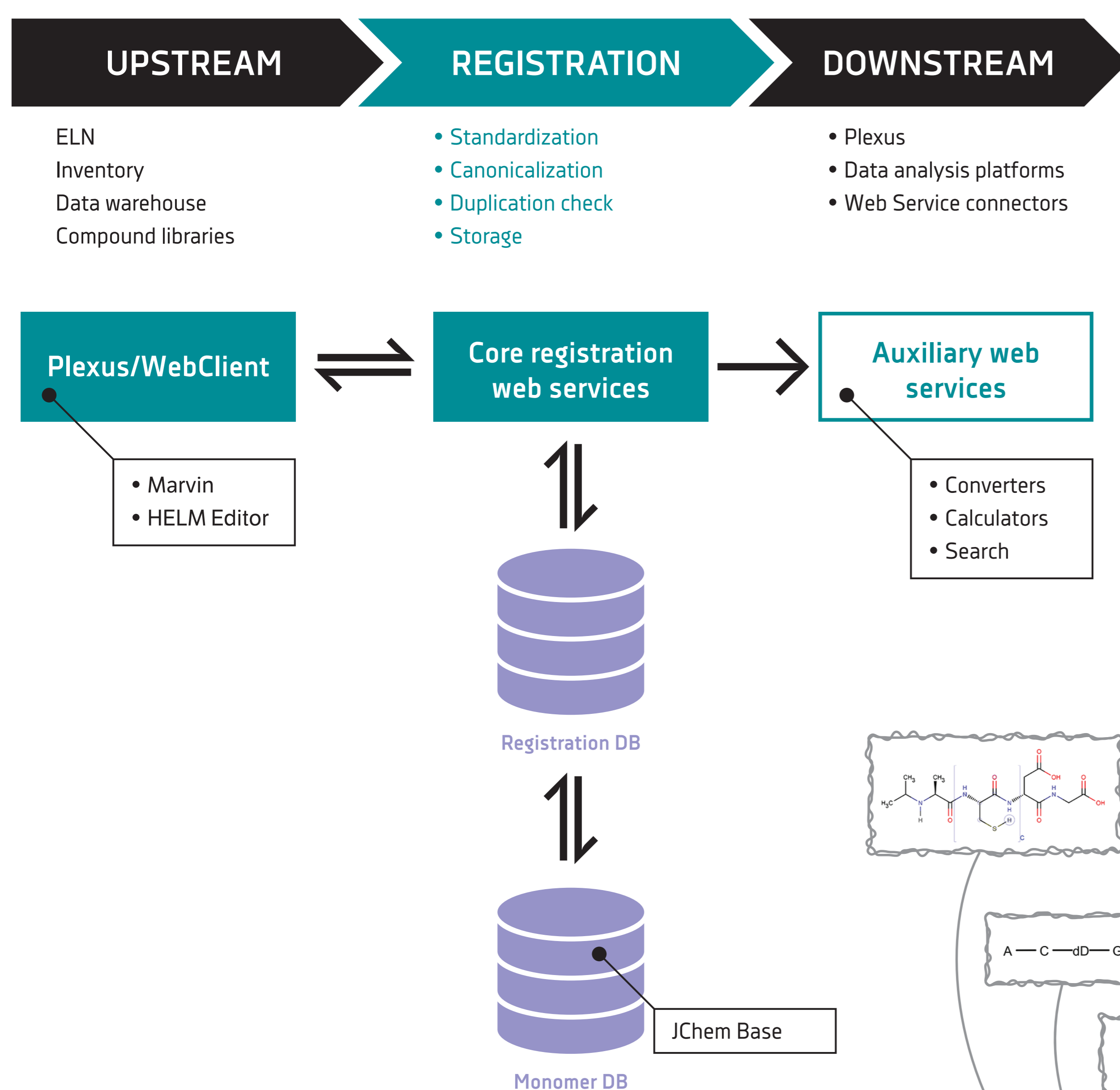
# BRIDGING CHEM- AND BIOINFORMATICS WITH BIOMOLECULE TOOLKIT, A CHEMINFORMATICS SOLUTION FOR BIOLOGICS

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ChemAxon's Biomolecule Toolkit is a webservice-based toolkit for adding chemical intelligence to the handling of complex biomolecules. It provides an unambiguous representation at a sequence and atomic level for a diverse set of biomolecules, including those containing unnatural and chemically modified components. Through solving the indexing, storage, querying, visualization and editing of such structures we are aiming to extend our industrially proven JChem platform into Biologics!

## Biomolecule Toolkit featuring:

- Structured storage of large molecules
- Standardized representation
- Sequence-based search
- Chemistry-based search
- Support for custom attributes and annotations
- Calculated properties (e.g. MW)
- Support for standard chemical and biological file formats
- SOAP and REST-ful web services



## Conclusions:

ChemAxon extends the chemistry information space with a suite of integration tools to enable scientists to accurately and unambiguously register, represent and query complex biological molecules, including peptides, ADCs, RNAi therapeutics and more, within their information systems. The Biomolecule Toolkit is to support 'your' preferred standard, although it comes with support for Open HELM and standard biological and chemical file formats, out of the box. Currently the toolkit is available for integration within enterprise research informatics platforms, but development is underway to bring biomolecule support to ChemAxon's Plexus Suite web-based collaboration platform.

[chemaxon.com/products/biomolecule-toolkit](http://chemaxon.com/products/biomolecule-toolkit)

