



General information

Specs has nearly thirty years of experience in storing, processing and handling chemical compounds for the Life Science industry. We are a reliable partner, both as a compound management service provider *and* a supplier of high quality screening compounds, building blocks and natural products.

Compound management

Specs provides a total library management service including registration, reformatting in uniform vials, quality control, plating and storage. Entire screening libraries, historical collections or any small set of compounds can be processed.

The reformatted libraries show uniformity in vial or plate type, barcodes and data on the content, weight and purity of the vials and plates, all following your customized requirements. All activities are directed by in-house developed software programs and barcode controls allow for tracking and tracing of every compound throughout the process. The operations are carried out by trained personnel, either at the Specs facilities in Europe (Zoetermeer, The Netherlands), in the United States (Cumberland, Maryland) or on site. On all locations equal quality standards are applied.

Compound procurement

For 30 years Specs has been acquiring compounds from various sources worldwide. This activity is now offered as a service to third parties. Specs will order compounds from various vendors on your behalf and under your pricing conditions. Furthermore, we will reformat these compounds to meet your specific requirements. Only a management- and reformatting fee are applied. Ordering compounds has never been so easy.

Compound libraries

The Specs compound repository consists of single synthesized, well characterized small molecules. These compounds were acquired from a global network of universities and academic research groups. On a continuous basis, novel and drug-like compounds are added to the dynamic collection.

All compounds are subjected to strict quality control procedures. LC-MS and/or ¹H-NMR analyses are carried out to ensure the integrity and our strict purity guidelines (>90% for screening compounds, >95% for building blocks and >80% for natural products).

These repository compounds can be supplied in any given format; vials, 96- or 384 well plates (dry film or as DMSO solution) or as a combination thereof. Since the complete weighing and plating process is software- and barcode controlled, with built in quality control at each step, accurate solid and liquid transfers as well as easy compound tracking are ensured.

Specs' complete compound inventory can be accessed on-line at www.specs.net. This advanced internet application enables online searching and ordering of compounds. Furthermore, the analytical data can be reviewed and downloaded.

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www.specs.net

Chemistry services

The Specs Research Laboratory (SRL) provides versatile and state-of-the-art facilities for synthesis and research activities on screening compounds and building blocks. The chemistry performed at SRL covers the whole Specs product portfolio. Examples of chemistry that can be outsourced to SRL are:

- custom synthesis; synthesis of known and validated compounds
- contract research; outsourcing of (part of) research programs (feasibility studies, reaction scopes and optimisations)
- hit follow-up (SAR) on molecules from lead discovery programs
- patent marker synthesis.

Cheminformatics

Over the years Specs has acquired extensive knowledge and experience in cheminformatics by using commercial and proprietary software, to select the most drug-like and diverse compound sets for lead discovery programs.

A wide range of software tools is available for designing focused or targeted libraries from Specs' compound inventory or from third party databases.

Specs also provides consulting services for selecting compounds from any third party supplier or for customer database analysis.

If you have any questions regarding our services, feel free to contact us at info@specs.net

