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PRESTWICK CHEMICAL LIBRARY®: 1760 DRUGS MAINLY FDA-APPROVED – NEW UPDATE COMING SOON !

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Prestwick Chemical Library®: 1760 FDA-approved & EMA-approved drugs for HTS and HCS screening

A team of in-house medicinal chemists and pharmacists has committed to selecting highly relevant screening compounds **for >25 years**, in order to offer a screening collection of **off-patent drugs** with high **chemical and pharmacological diversity**, as well as known bioavailability and safety in humans. We provide you with the professional technical support along with the high-quality products at the most competitive price and the shortest delivery time. Check The Success Stories **500+ publications** (<https://www.prestwickchemical.com/library-success-stories/>)

A diversified marketed drugs library targeting +600 targets designed for repurposing/repositioning

A unique collection of **1760 small molecules**, **98% being marketed approved drugs** (mostly **FDA-approved**, several approved in Europe (**EMA**) and Japan (**PMDA**))

Approved agencies for every drug are available,

High chemical diversity, assessed medicinal activity

Covers the most comprehensive range of targets and research areas (600 targets addressed)

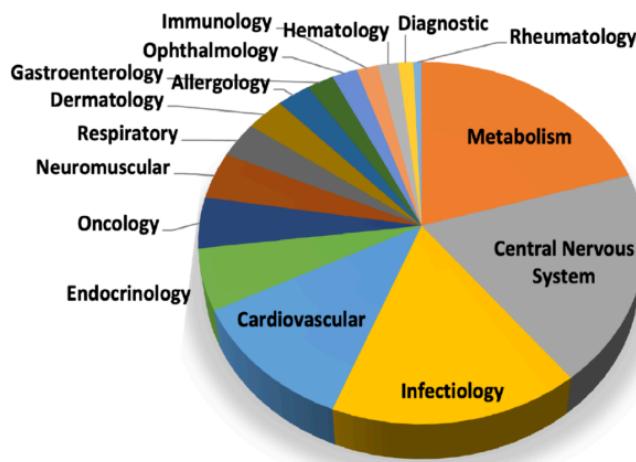
(according mostly WHO ATC Classification 5, please view Therapeutic group distribution graph below)

More than **600 targets addressed** (see graph below)

Specially designed to increase potential **high-quality and safe hits**

Fast delivery

Therapeutic group distribution



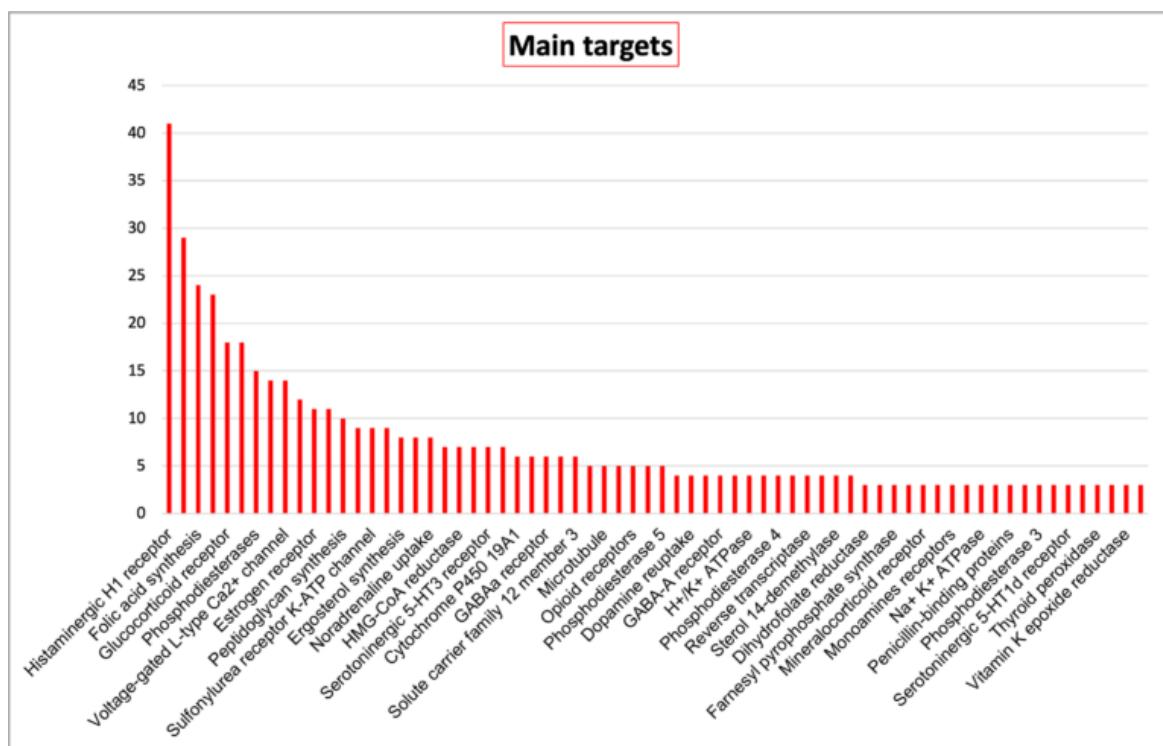
Constant **in-house quality control** ensures high purity and stable molecules

Including a database with **Newly identified targets and New Application data** (according to publications)

Hit-list examination and expansion (OFFERED FOR FREE) and **Analoging** service around hits/leads

Hit-likeness and hit-workability have been reported over the past 25 years by users in 500+ publications
(<https://www.prestwickchemical.com/type/publications/>)

Main targets



Publications citing the Prestwick Chemical Library® :

Rademakers, T. *et al.* Identification of Compounds Protecting Pancreatic Islets against Oxidative Stress Using a 3D Pseudoislet Screening Platform. *Advanced Biology* 7 (12), 2300264 (2023).
<https://doi.org/10.1002/adbi.202300264> (<https://doi.org/10.1002/adbi.202300264>)

Selvin, T. *et al.* Phenotypic Screening Platform Identifies Statins as Enhancers of Immune Cell-Induced Cancer Cell Death. *BMC Cancer* 23 (1), 164 (2023). <https://doi.org/10.1186/s12885-023-10645-4> (<https://doi.org/10.1186/s12885-023-10645-4>)

Wehrli, L. *et al.* The Action of Physiological and Synthetic Steroids on the Calcium Channel CatSper in Human Sperm. *Front Cell Dev Biol* 11, 1221578 (2023). <https://doi.org/10.3389/fcell.2023.1221578> (<https://doi.org/10.3389/fcell.2023.1221578>)

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Check The Success Stories **500+ publications** (<https://www.prestwickchemical.com/library-success-stories/>)

Find more in *Success Stories* (<https://www.prestwickchemical.com/library-success-stories/>)

Prestwick Chemical Library® : A multi-format library with a highly annotated database

In **powder** form, 10-100mg with cherry-picking options

Pre-dissolved at **10mM in DMSO**, ready for screening (any volume from 100µL to 1mL)

In 96 or 384 well plates (Greiner/ Micronics/Matrix) or in customers' plates

Customization for volume, mapping or compound selection

Re-supply of any hit-compound guaranteed up to 100 mg

Stability in DMSO: 5 years at -20°C

Shipping under dry ice conditions

Always provided with a **highly annotated database** as structural data file (SDF), reaction data file (RDF), IsisBase (DB) as well as an XLS file

Database annotation includes target, therapeutic class/effect, side effects, patent, ADMET information, BBB crossing, CNS-penetration...

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- Greenpharma natural chemical library >