



Enamine is the global leader in Synthetic Chemistry and the largest producer of Building Blocks and Screening Compound Libraries. Despite the war, we fully resumed operations in Ukraine with increased accordingly safety. Our chemists and biologists returned to the labs and restored all research.

Continuing ordering our compounds and services you support our operations, employees and business in general in Ukraine.

Building Blocks

- Over 300,000 Building Blocks in stock
- API and punch-out integration
- 1 Billion MADE Building Blocks

Screening Libraries

- Screening Collection of 4.1M compounds in stock. Now relocated to West Ukraine
- *Over 40 pre-plated Libraries available for fast delivery*
- Hit confirmation and hit follow-up support

Fragment Libraries

- The largest collection of Ro3 compliant compounds, 206k in-stock Fragments
- High quality 15 pre-plated libraries with different focus
- Designed in collaboration with leading experts in FBDD

Covalent Libraries

- Most reliable and specially synthesized Collection of 90k+ Covalent Compounds
- Diverse Covalent Libraries available in pre-plated formats
- High quality achieved by more than 6 years of experience in this field

**Enamine
Charity Fund**





Library Synthesis

- Over 45 standard reactions
- HPLC purification
- Novel patent-free compound libraries based on most recently developed 6,000 Enamine's scaffolds
- Decoration of your scaffolds with our building blocks
- **Enamine exclusive!** — Select from over 300,000 building blocks in our stock!
- **Enamine exclusive!** — Virtual screening of over 36 billion REAL compounds. The hits will be synthesized with over 80% success rate within only 3 weeks

Custom Synthesis

- Over 700 chemists, two Enamine research sites, located in Europe
- High standards in handling confidential information
- Milligram to kilogram scale
- Resynthesis of the screening hits and synthesis of the analogues
- Parallel synthesis of small to extra-large compound libraries
- Comprehensive suite of chemical synthesis technologies: photochemistry, fluorination *e.g.* with SF₄, ozonolysis, flow chemistry, reduction in pressure reactors, *etc.*
- Chiral separation by SFC

Medicinal chemistry

- Highly competitive FTE rate common for chemists, biologists and computational chemists
- Exploration of SAR, synthesis of focused compound libraries
- Hit-to-lead development and lead optimization
- Improvement of biological activity, aqueous solubility, metabolic stability, selectivity, *etc.*
- *In-silico* modeling
- Integrated projects including hit finding, medicinal chemistry and ADME/PK studies at Enamine
- **Enamine exclusive!** — Included in the FTE rate: immediate access to over 200,000 building blocks and reagents in stock at Enamine

Biomolecular screening

- Primary screening throughput of 250k+ compounds per month
- Broad cell-based and biochemical assay capability with all common assay readout modes
- GPCR and Ion Channel Screening FLIPR Tetra and FlexStation
- Differential Scanning Fluorimetry (DSF, TSA)
- Recombinant protein expression and purification, peptide synthesis
- **Enamine exclusive!** — Privileged access to 4,100,000 screening compounds and various screening libraries including 460k compounds Hit Locator Screening library
- Comprehensive ADMET-PK support: aqueous solubility, LogD / LogP, *pK_a*, plasma protein binding, CYP P450, microsomal stability, cytotoxicity, Ames test, hERG, membrane permeability, metabolite ID
- *In vivo* studies: PK/Tox in rodents, animal efficacy models.

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