

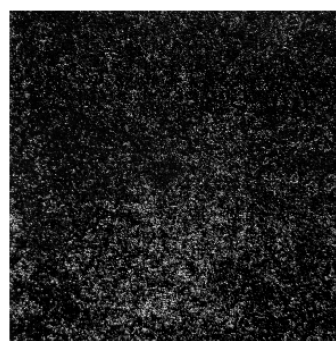
SyntheticGestalt and Enamine Build the World's Largest Experimentally Validated AI-driven Chemical Data Ecosystem

KYIV, UKRAINE, August 3, 2026

/EINPresswire.com/ -- SyntheticGestalt, a pioneering AI technology company focused on molecular innovation, and Enamine, the developer of the most extensive, synthetically accessible, and trusted chemical space, today announced a landmark collaboration to create the world's largest □□ □□□□ validated AI-driven chemical data ecosystem.

Artificial intelligence has become a powerful tool in drug discovery, but it lacks quality data to excel. Enamine has developed a curated database of billions of highly feasible REAL Compounds and has integrated its high-throughput synthesis capabilities with on-site pharmacological and ADME/Tox tests in the proprietary B-REAL discovery platform. This enabled high-speed and affordable data generation. Two companies have forged a strong partnership, leveraging SyntheticGestalt's cutting-edge AI-driven predictive technologies to compress drug discovery timelines that traditionally span years into mere months.

In the new collaboration, with strategic support from GENIAC (Generative AI Accelerator Challenge), a subsidy program by Japan's Ministry of Economy, Trade and Industry (METI) and the New Energy and Industrial Technology Development Organisation, which is a national agency, SyntheticGestalt will analyze 100 industry-relevant protein targets and prioritize REAL Compounds for synthesis. Enamine will provide fully integrated capabilities of the B-REAL



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discovery platform, encompassing parallel synthesis, protein production, activity assays, and preclinical ☐ ☐ ☐ validation – all under one roof. The resulting dataset, unprecedented in scale and scope, is expected to be released in 2027, providing the global scientific community, first of all, Japanese pharma partners, with a transformative resource to accelerate drug discovery and innovation.

Koki Shimada, CEO at SyntheticGestalt, commented: “このプラットフォームは、AIと人間の協働を促進するための革新的なツールです。AIは、膨大なデータからパターンを抽出し、人間の創造性を補完します。人間は、AIの出力を評価し、方向性を指示します。この組み合わせにより、新しいアイデアや製品を開発するスピードが大幅に向上します。また、AIは、人間の能力を超える計算能力や記憶能力を持っています。例えば、複雑なシミュレーションや大規模なデータ分析を行うことができます。これにより、科学研究やビジネス戦略の立案に大きな貢献が期待されます。さらに、AIは、人間の感情や意図を理解し、自然な対話を行うことができます。これは、カスタマーサービスや教育分野での応用が期待されています。このプラットフォームは、AIと人間の協働の可能性を最大限に引き出すための重要なツールであり、未来のテクノロジーを形作る鍵となるでしょう。”

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"I'm very excited about the results we've achieved so far," emphasized Petro Borysko, Director of Biology at Enamine.

Dmytro Radchenko, Head of Parallel Chemistry at Enamine, commented: “**Своєю чергою, ми також розробили нову технологію синтезу, яка дозволяє отримувати цілі молекули з високим виходом і високою селективністю. Це дозволяє нам отримувати цілі молекули з високим виходом і високою селективністю. Це дозволяє нам отримувати цілі молекули з високим виходом і високою селективністю.**”

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Enamine is the leading provider of chemical compounds and a scientifically driven, integrated

discovery Contract Research Organisation for integrated drug discovery (IDD) with unique partnering opportunities in exploring new chemical spaces. The company combines access to in-house-produced screening compounds (4.8 million in stock) and building blocks (375,000 in stock) with a comprehensive platform of integrated discovery services in bioinformatics, biology, and chemistry to advance and accelerate drug discovery efforts. <https://enamine.net/>

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Enamine REAL (REadily AccessibLe) contains trillions of synthetically feasible molecules that can be synthesized at Enamine extremely fast (3-4 weeks), with high feasibility (over 80%), and inexpensive. The REAL Compounds are created by parallel chemistry through the compilation of 203K in-stock building blocks via 169 well-validated parallel synthesis protocols, underlying Enamine's approach to design make-on-demand compounds to maximize synthesis success rate. For more information, visit: <https://enamine.net/compound-collections/real-compounds>

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