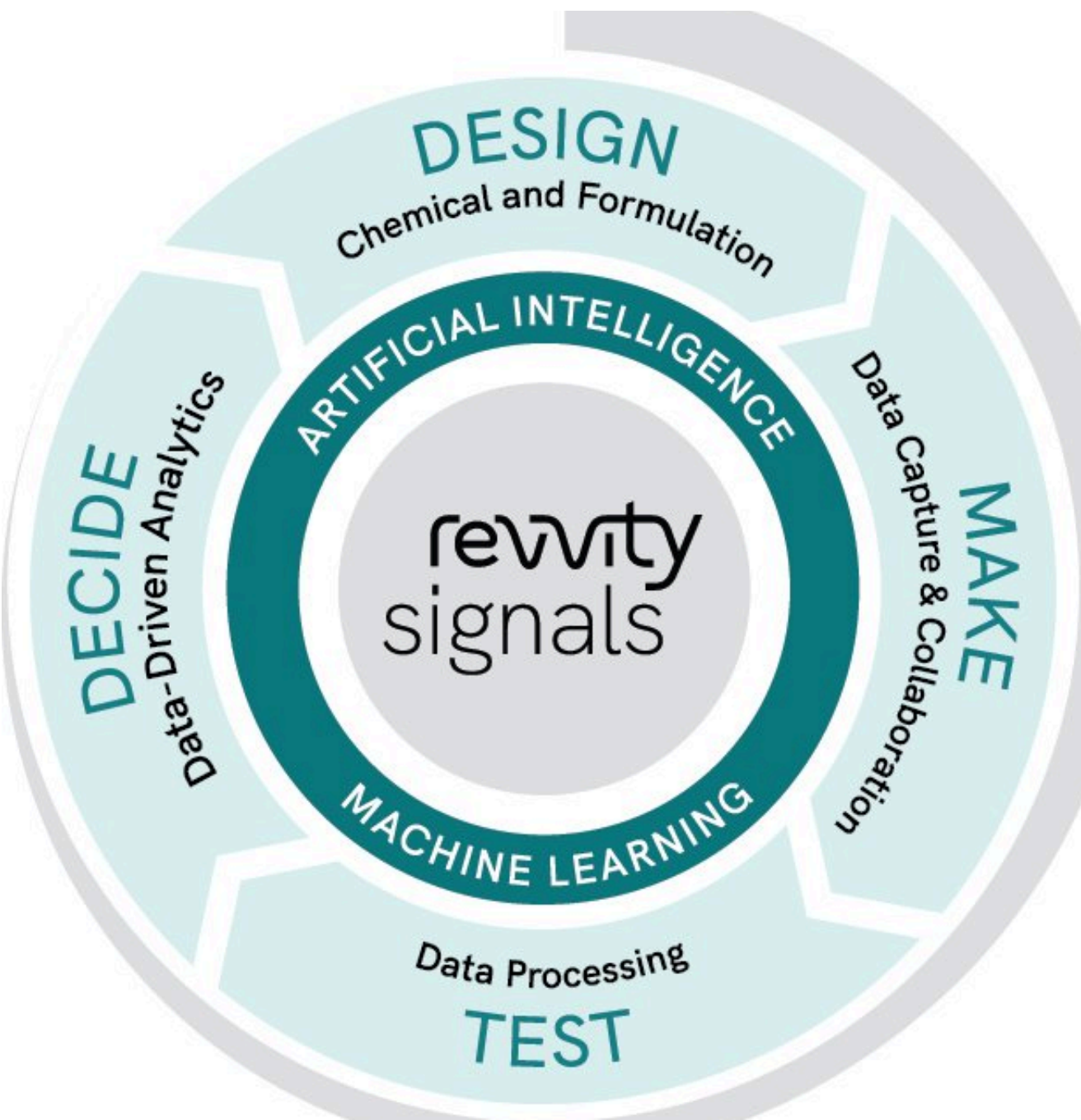


Revolutionizing Drug Discovery with AI-Enhanced Signals One™

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Revolutionizing Drug Discovery with Signals One

In today's rapidly evolving pharmaceutical landscape, researchers face mounting pressure to accelerate drug discovery while maintaining scientific rigor.

The traditional Design-Make-Test-Decide R&D cycle often involves navigating multiple disconnected solutions, leading to inefficiencies and delays.

Signals One emerges as a transformative solution to these challenges, offering an AI-enhanced, cloud-native approach that unifies the entire drug discovery process.

Unifying the Drug Discovery Ecosystem

Signals One integrates complex workflows into a cohesive, user-friendly solution, empowering scientists to focus on innovation rather than administrative tasks.

Through the lens of antibody drug conjugate development, we'll examine how this solution delivers both specialized research capabilities and collaborative breadth across multidisciplinary teams.

We will demonstrate how Signals One streamlines workflows, provides intuitive analytics for various research scenarios, and leverages AI to eliminate data drudgery, ultimately accelerating the journey from discovery to development.

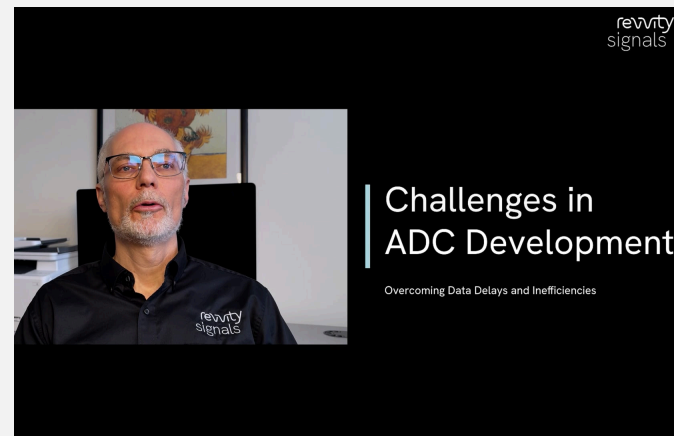


The Real Value of Unified Workflows

Signals One unifies the full ADC development workflow. With Signals One there is no more jumping between disconnected tools, no fragmented data - just one continuous workflow from early immunization to nominated ADC.

Listen to hear how Signals One impacts ADC Workflow

Simply click the video to watch.



Signals One Accelerating the ADC Discovery Journey

Unified End-to-End ADC
Workflow

Multidisciplinary
Collaboration &
Centralized Knowledge

Integrated Analytics &
AI-Ready Insights

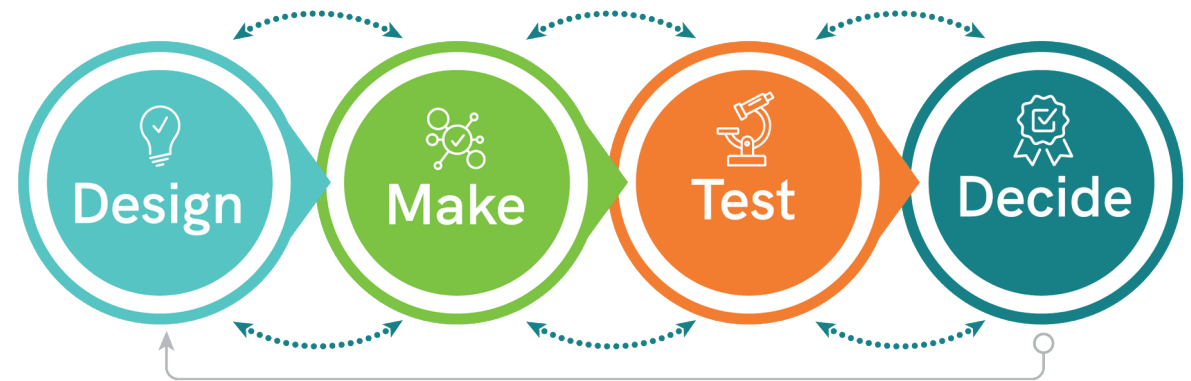
Standardized, Efficient
Scientific Execution

Unified End-to-End ADC Workflow

Signals One unifies the full ADC lifecycle within the Design → Make → Test → Decide framework, eliminating the need to jump between disconnected tools. Signals One provides one seamless environment from early immunization through screening, optimization, payload creation, and final ADC selection, reducing fragmentation, accelerating insight, and keeping every stage connected.

The workflow spans...

- Immunization and hybridoma generation
- Primary ELISA screens and secondary SPR screens
- A first go/no-go decision
- Cloning, expression, and humanization of selected antibodies
- Purification for downstream assays
- Payload synthesis and linker chemistry by medicinal chemists
- ADC assembly using antibody + linker + payload
- Final ADC nomination using integrated multivariate analysis



Multidisciplinary Collaboration & Centralized Knowledge

Signals One breaks down silos across the ADC development team, from immunologists to medicinal chemists to analytical scientists, enabling seamless collaboration where protein engineering decisions directly inform downstream conjugation chemistry and final ADC performance.

The solution enables seamless handoffs and parallel work:

- Shared experimental context
- Real-time visibility
- Unified annotation and discussion
- Cross-disciplinary search
- Integrated inventory management

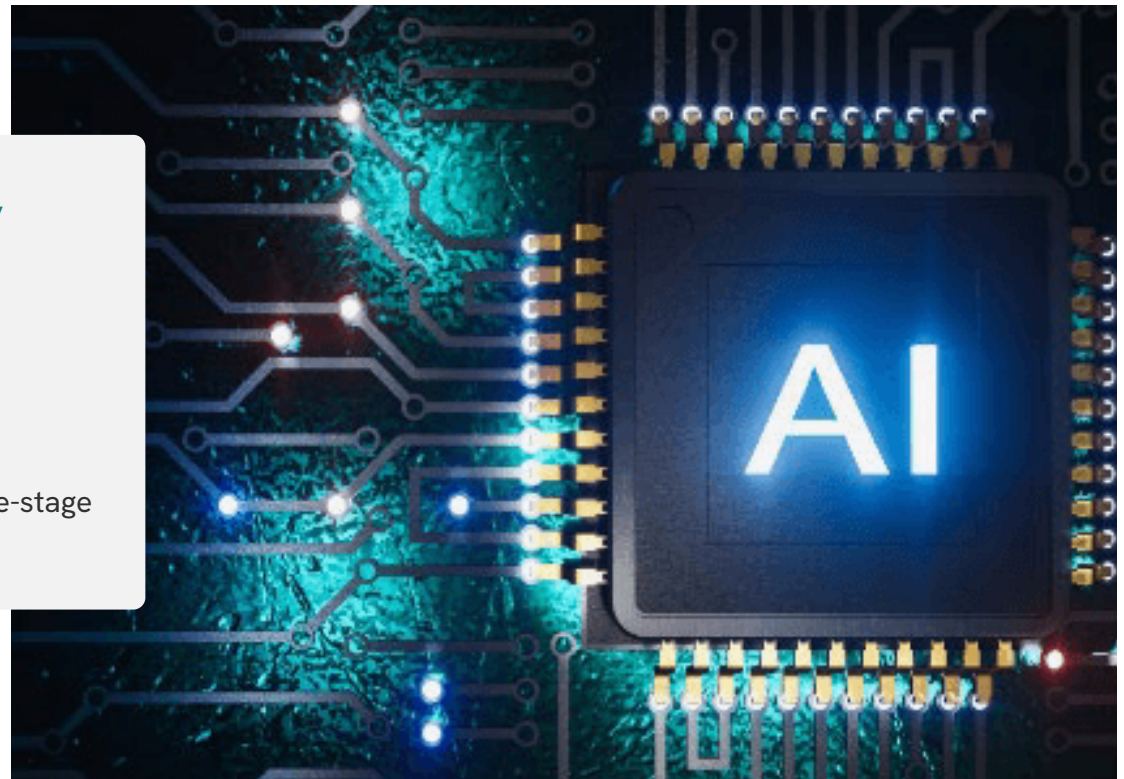


Integrated Analytics & AI-Ready Insights

Signals One transforms ADC decision-making by embedding analytics and AI throughout the Design → Make → Test → Decide cycle, putting AI-enhanced insights directly into researchers' hands as experiments complete, eliminating the traditional bottleneck where scientists wait for bioinformaticians to process data.

Rather than exporting data to separate analytics solutions, Signals One provides:

- Built-in multivariate analysis
- AI-powered pattern recognition
- Real-time decision support at critical go/no-go gates
- Predictive modeling supports prioritization and reduces costly late-stage failures



Standardized, Efficient Scientific Execution

Signals One enforces consistency across the ADC workflow while accelerating execution through automation and templates. This standardization enables scientists to execute 10 parallel conjugation reactions with the same confidence as one, maintaining full traceability from immunogen to final ADC.

The solution standardizes without sacrificing flexibility:

- Templated protocols
- Automated data capture
- Structured decision gates at key milestones
- templating reusable experimental building blocks
- Automated audit trail linking raw data to results and decisions in a regulatory-compliant chain.



How Revvity Signals can help You

Signals One

The complexity of ADC development, spanning multiple disciplines, dozens of candidates, and critical go/no-go decisions, demands more than disconnected tools.

Signals One delivers the integrated solution ADC programs need: AI-powered analytics at every decision gate, seamless collaboration across teams, and standardized protocols that scale without sacrificing quality or traceability.

[Find out more about Signals One](#)

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Showcasing An ADC Workflow](#)

[Learn About The Revvity Signals' AI
Strategy](#)

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