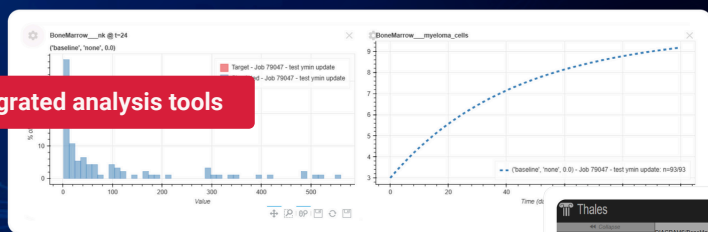




Thales™

Cut the time and complexity of building extensive QSP platform models

Integrated analysis tools

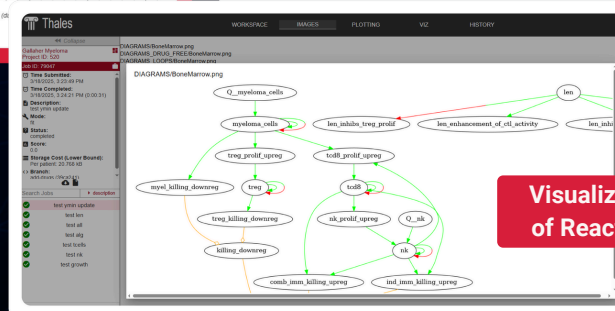


Data Integration

Source	Trial	Arm	N	Drug	Dose	Time	Analyte	Mean
Published	Kang 2020 (Mepo)	mepolizumab 100 mg	18	mepolizumab	mepolizumab 100 mg q4w subcutaneous	4.0	EAS175	12.0
Published	Kang 2020 (Mepo)	mepolizumab 100 mg	18	mepolizumab	mepolizumab 100 mg q4w subcutaneous	8.0	EAS175	38.0
Published	Kang 2020 (Mepo)	mepolizumab 100 mg	18	mepolizumab	mepolizumab 100 mg q4w subcutaneous	12.0		
Published	Kang 2020 (Mepo)	mepolizumab 100 mg	18	mepolizumab	mepolizumab 100 mg q4w subcutaneous	16.0		
Published	Kang 2020 (Mepo)	mepolizumab 100 mg	18	mepolizumab	mepolizumab 100 mg q4w subcutaneous	20.0	EAS175	50.0
Published	Meurer, 2002	placebo	96	placebo	placebo	24.0	EAS1	8.8
Published	Meurer, 2002	placebo	96	placebo	placebo	0.0	EAS1	10.8
								16.9
								20.4
								4.4

Reaction Rules/Components

Visualization of Reactions



Accelerate your model development

With Thales, you can harness advanced optimization and data integration tools and move seamlessly between model simulation, virtual patient sampling, and results analysis. You get rapid, reliable simulated populations (SimPops®) that accurately mirror observations at multiple scales — from cellular changes to clinical outcomes — while ensuring transparency and reproducibility.

- ✓ **Realistic treatment of SimPops** to ensure accurate reproduction of patient heterogeneity and treatment escalation/strategies
- ✓ **Integrated graphing and analysis tools** to quickly observe and evaluate simulation results

- ✓ **Integrated generalized optimization tools** that calibrate parameters using a statistically principled approach
- ✓ **Seamless data integration** that empowers you to fit data at multiple scales - from clinical trials to *in vitro*, *in vivo*, and *ex vivo* studies - within a single, unified virtual population network
- ✓ **Specification of clinical trial protocols** such as patient inclusion criteria, sub-populations, or event-dependent dosing adjustments
- ✓ **Automated model documentation** that provides accurate and intuitive visualization of the model's interaction network

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