

FormulaAI™

Chemical Formula Design Engine



Formula Performance Prediction

- Product performance indicator prediction
- Stability evaluation
- Compatibility analysis
- Storage performance prediction
- Service life assessment



Process Route Optimization

- Reaction pathway design
- By-product prediction
- Reaction kinetics simulation
- Process parameter optimization
- Scale-up effect assessment



Process Safety Control

- Reaction safety assessment
- Hazardous condition early warning
- Environmental impact prediction
- Waste treatment solutions
- Emergency plan design



Intelligent Manufacturing Integration

- Production cost prediction
- Energy consumption assessment
- Equipment compatibility analysis
- Production efficiency optimization
- Quality consistency control

Why Choose Ainnocence?

- 1 Formula knowledge graph driven
- 2 Process digital twin simulation
- 3 Experimental data validation
- 4 Rapid delivery: from a few hours to two weeks

Application Scenarios

Fine chemical products
Daily chemical product formulations
Coating and ink development
New catalyst development
Specialty chemicals