Multi-Agent Workflow for Automated Biosynthesis Knowledge Extraction
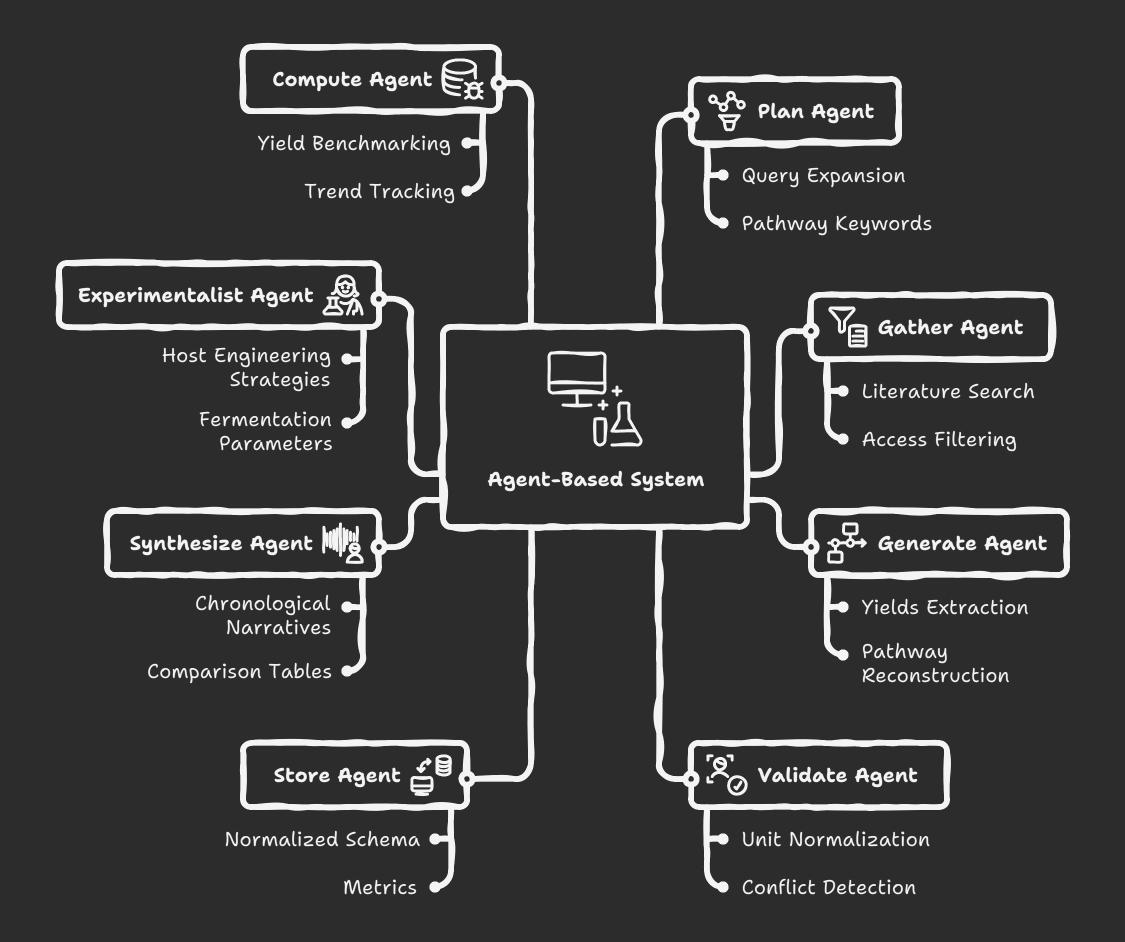
Compute Agent
- Yield Benchmarking
- Trend Tracking

Plan Agent
- Query Expansion
- Pathway Keywords

Experimentalist Agent
- Host Engineering Strategies
- Fermentation Parameters

Agent-Based System

Gather Agent
- Literature Search
- Access Filtering

Synthesize Agent
- Chronological Narratives
- Comparison Tables

Generate Agent
- Yields Extraction
- Pathway Reconstruction

Store Agent
- Normalized Schema
- Metrics

Validate Agent
- Unit Normalization
- Conflict Detection