

Terpedia, LLC

Pitch Deck

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The Problem

The Problem

Fragmented Ecosystem

- Multiple disconnected databases
- No unified search platform
- Manual data correlation
- Missing structure-function links

Result: Hours wasted manually connecting terpene structures to therapeutic effects



Researcher at desk with journal articles and laptop showing computational biology

Researcher manually correlating data across multiple sources

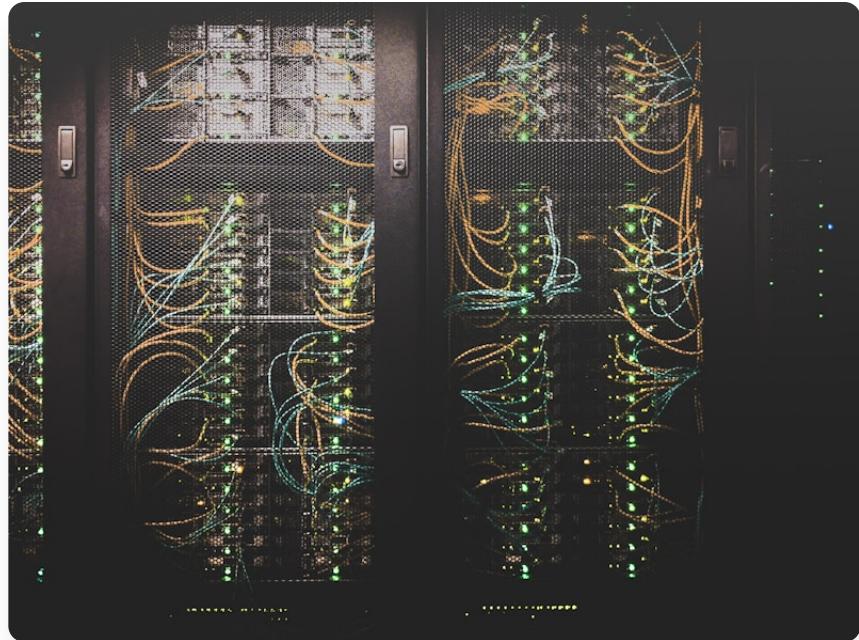
Our Solution

Terpedia: The Solution

Unified Platform

- **70,000+ compounds** integrated
- **Single query** across all databases
- **AI-powered** insights
- **Structure → Function** mapping

One platform. One query. Infinite insights.



Market Opportunity

Market Opportunity

Market Size

- **Cannabis Market:** \$57B by 2030
- **Essential Oils:** \$15B+ market
- **Aromatherapy:** \$4.2B market, 8.5% CAGR
- **Functional Foods:** \$275B+ market
- **Pharmaceutical R&D:** \$200B+ industry
- **Research Tools:** \$10B+ market

Growth Drivers

- Cannabis legalization expanding globally
- Natural product research increasing
- Functional flavors trend in food & beverage
- Evidence-based aromatherapy demand
- AI/ML adoption in drug discovery
- Precision medicine demand
- Terpene therapeutic research growth

Product & Features

Functional Flavors & Aromatherapy

The Connection

Molecular Structure



Biological Activity



Therapeutic Benefit

Applications

- Anti-inflammatory
- Mood enhancement
- Pain management
- Sleep quality

From traditional aromatherapy to molecular precision



Our Platforms

terpedia.com

WordPress Platform

Content Hub

- Article publishing
- Case studies
- User profiles
- SEO optimized

Integration

- Knowledge base APIs
- Real-time data
- Search & discovery



kb.terpedia.com

Biochemical Knowledge Base

Core Platform

- SPARQL Endpoint
- RDKit API
- Functional Flavors Engine
- AI Analysis

Data Sources

- 70,000+ compounds
- FooDB, FlavorDB, HMDB
- Clinical trials
- Essential oils DBs

Key Features

- Federated queries
- Knowledge graphs
- Evidence-based recommendations

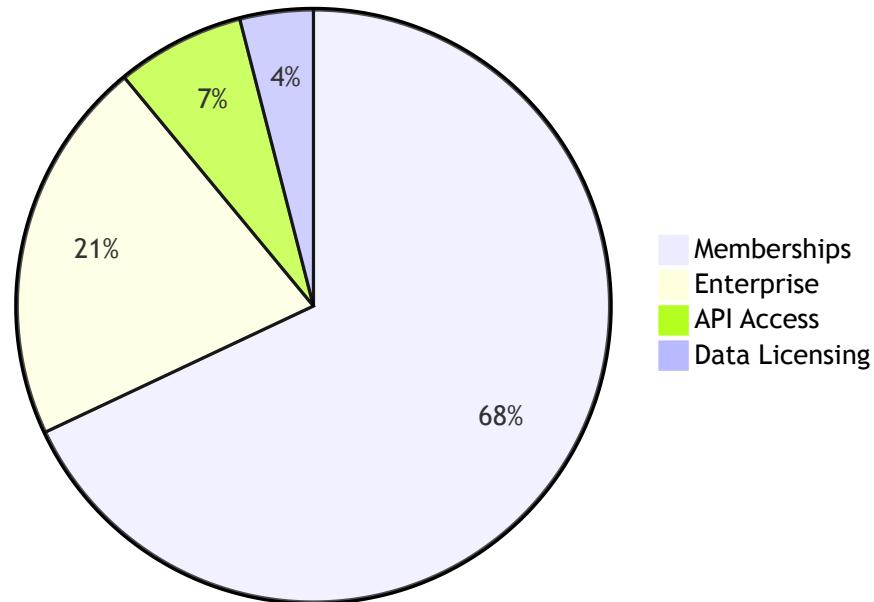
Business Model

Business Model

Revenue Streams

- **Memberships** (67%)
- **Enterprise** (21%)
- **API Access** (7%)
- **Data Licensing** (4%)
- **Consulting** (1%)

Revenue Mix (2028)



Pricing: Free tier → \$49/month (Aromatherapist) → \$99/month (Researcher) → Enterprise (custom)

Traction & Milestones

Traction & Milestones

✓ Completed

- **70,000+ compounds** integrated
- **6 major databases** connected
- **Functional Flavors** framework
- **AWS infrastructure** deployed
- **Production-ready APIs**
- **MCP server for AI**



Team

Our Team

Leadership

- **CEO:** Susan
- **CTO:** Dan
- **Scientific Advisors:** Biochemistry experts

Expertise

- **Biochemical Knowledge:** Deep terpene research background
- **Technical Stack:** SPARQL, RDF, Python, FastAPI, Docker
- **Data Engineering:** Large-scale database integration
- **AI/ML:** LLM integration, NLP, knowledge graphs

Financials & Ask

Financial Projections

2026 (Year 1)	2027 (Year 2)	2028 (Year 3)
▪ Revenue: \$180K	▪ Revenue: \$850K	▪ Revenue: \$2.8M
▪ Members: 500	▪ Members: 2,500	▪ Members: 8,000
▪ Enterprise: 2	▪ Enterprise: 8	▪ Enterprise: 25
▪ Q1 Launch: Website + memberships	▪ Growth: 372%	▪ Growth: 229%
▪ Q2-Q4: API access, data licensing	▪ Profitability: Q4 2027	▪ ARR: \$3.2M run rate

Revenue Breakdown (2026-2028)

2026 Revenue Streams

- **Memberships:** \$120K (67%)
 - 500 members × \$20/month avg
- **API Access:** \$30K (17%)
 - Researcher tier subscriptions
- **Enterprise:** \$20K (11%)
 - 2 enterprise customers
- **Data Licensing:** \$10K (5%)
 - Initial dataset contracts

2028 Revenue Streams

- **Memberships:** \$1.9M (68%)
 - 8,000 members × \$20/month avg
- **Enterprise:** \$600K (21%)
 - 25 enterprise customers
- **API Access:** \$200K (7%)
 - Premium API subscriptions
- **Data Licensing:** \$100K (4%)
 - Expanded licensing deals

Investment Ask

\$2-3M Seed Round

Use of Funds:

- Product Development (40%)
- Data Acquisition (25%)
- Team Expansion (20%)
- Infrastructure (10%)
- Marketing (5%)

Expected Outcomes

18 months (by Q2 2027):

- Website launch Q1 2026
- 1,000+ active members
- 8+ enterprise customers
- \$850K ARR
- Series A ready

Next Steps

Next Steps

Product & Data

- Expand Functional Flavors database
- Build Aromatherapy engine
- 3D molecular visualization
- Clinical trials integration
- Real-time article updates

Go-to-Market

- Beta launch Q1 2026
- Research institution partnerships
- Cannabis & wellness partnerships
- Conference presentations
- Complete seed round

Thank You Questions?

Contact Information

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