

MCP SERVER

NO CODE

CLOUD HOSTED

Pet Medication Dose Splitter MCP for AI Agents

Calculate accurate pet medication pill counts and dosages.

Pet Medication Dose Splitter calculates the exact number and fraction of tablets needed for pet medication dosing based on weight and prescribed rates. It identifies when a dose requires a difficult split, like a one-third fraction, and suggests safer alternative pill strengths to ensure accuracy. Use it to turn complex mg/kg instructions into clear, actionable pill counts for your pet.

A+ Quality Score 100/100

[pets](#)

[medication](#)

[dosage](#)

[veterinary](#)

[calculation](#)



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Pet Medication Dose Splitter MCP

3 tools available

Cloud-hosted on Vinkius

Managing a pet's medication shouldn't feel like a high-stakes math exam. When your vet gives you a dosage in milligrams per kilogram but your pills are in a different strength, it's easy to make a mistake that could hurt your animal. This MCP takes the guesswork out of the math. You just tell your AI client your pet's weight, the dosage rate, and the pill strength. It handles the conversions and tells you exactly how much to give, like "give 1 and 3/4 tablets." It's smart enough to know when a split is going to be messy. If the math lands on a weird fraction like one-third, it'll flag that as a difficulty warning and suggest a different pill strength to keep things safe. You can find this tool in the Vinkius catalog to make sure your pet's treatment is precise every single time. It's designed for anyone who wants to get the dosage right without having to pull out a calculator and a conversion chart every time the bottle opens. Instead of worrying about whether you're under-dosing or over-dosing, you can focus on your pet's recovery. It's a simple way to ensure that the instructions you get from the clinic actually match the pills in your cabinet. This helps prevent the headache of manual calculations while ensuring your furry friend gets exactly what they need to feel better.

Core Capabilities

01 — Calculate total milligrams needed

Determines the total milligram requirement for a specific pet based on weight and dosage rate.

02 — Convert milligrams to pill counts

Translates a required dose into the specific number of whole pills and fractions.

03 — Identify difficult pill splits

Flags instances where a pill must be split into awkward or imprecise fractions.

04 — Suggest alternative pill strengths

Provides better pill options when a specific dose is too difficult to split safely.

05 — Retrieve safety warnings

Fetches the mandatory safety disclaimer for medication administration.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/pet-medication-dose-splitter — connect your AI agent in three steps.

- 01** Input your pet's weight, the prescribed dosage rate, and the available pill strength into your AI client.
- 02** The MCP calculates the total milligrams needed and converts that into a physical tablet count.
- 03** You receive a clear instruction on how many tablets to give, along with a warning if the split is too difficult to do accurately.

The bottom line is that you get a precise, safe pill count without having to do the math yourself.

Built For

Pet owners who are nervous about dosing mistakes or veterinary technicians who need to double-check calculations for various pet sizes.

Pet Owner

Calculates a safe dose for a new medication at home without worrying about math errors.

Veterinary Technician

Quickly verifies pill counts for a busy clinic's prescriptions.

Pet Sitter

Ensures they are following the correct dosage instructions for a client's pet.

What Changes When You Connect

- 01** Get precise pill counts for any pet weight by using the calculation tool to handle the math.
- 02** Avoid dangerous dosing errors by having the system flag difficult splits that are hard to measure.
- 03** Receive clear instructions like "give 1 and 3/4 tablets" instead of confusing milligram totals.

-
- 04 Stay safe by automatically retrieving the mandatory safety warning before you start treatment.
-
- 05 Find safer medication options when a split is too difficult for a specific pill strength.
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Real-World Applications

A dog owner with a 20kg dog and a 5mg/kg prescription

The owner has 10mg pills. The AI calculates the 100mg requirement and tells them to give exactly 10 tablets.

A cat owner with a 5lb cat needing a 2mg/kg dose

The AI converts the weight to 2.27kg, finds the 4.54mg dose, and warns the owner that the 5mg pill split is very small.

A vet tech checking a dose for a 10kg pet

The tech needs to verify a 2.5mg/kg dose with 5mg tablets. The AI confirms the total dose is 25mg, which is exactly 5 tablets.

A caregiver told to give a one-third pill split

The AI flags the 1/3 split as a difficulty warning and suggests checking for a different pill strength to ensure a safer dose.

Patterns to Avoid

Guessing the pill count by hand

✗ AVOID

A user says they have 10mg pills and need 15mg, so they decide to just give one and a half.

✓ INSTEAD

Ask the agent to calculate the exact fraction and check if the split is easy to perform to ensure accuracy.

Giving a dose with a difficult split

✗ AVOID

The math says 1.33 tablets, so the user tries to cut a tiny piece off a pill roughly.

✓ INSTEAD

Have the agent flag the difficulty warning and suggest a different pill strength for a cleaner, safer dose.

Skipping the safety warning

X AVOID

A user starts administering medication immediately without reading the required precautions.

✓ INSTEAD

Ask the agent to retrieve the mandatory safety warning before you begin the dosing process.

The Right Fit

Use this if you need to turn mg/kg prescriptions into actual pill counts for different pet weights. It is perfect for home owners and clinics who want to avoid math errors. Don't use it if you already have a pre-set pill count or if you're looking for a tool to manage a full medication schedule. This is strictly for the math of the dose itself. If you just need to know the total milligrams without knowing how many pills that equals, you can just use the calculation tool alone.

Pet Medication Dose Splitter for accurate veterinary dosing

People often struggle when they get a prescription that doesn't match the pills they have on hand. You end up staring at a bottle, trying to divide weight by dosage rates, and then trying to figure out how many tiny pieces of a tablet equal the right amount of medicine. It's stressful and easy to make a mistake.

This MCP removes that friction. You just tell your AI client the numbers, and it does the heavy lifting. You get a clear instruction on how many tablets to give, plus a heads up if the split is going to be too difficult to do accurately.

Pet Medication Dose Splitter for safer pet medication management

Manual calculations often lead to close enough dosing, which can be dangerous for small animals. You have to manually convert pounds to kilograms,

This tool automates the entire chain. It handles the unit conversions and the math, then tells you

multiply by the rate, and then divide by the pill strength.

exactly what to do. It's about making sure your pet gets the right amount every single time.

Pet Medication Dose Splitter: 3 Tools for Veterinary Dosing

Use these tools to calculate total milligrams, convert them to pill counts, and identify difficult splits for pet medications.

#	TOOL	DESCRIPTION
01	<code>fetch_safety_disclaimer</code>	Gets the required safety warning for medication use.
02	<code>calculate_dosage_requirement</code>	Determines the total milligrams of medication a specific pet needs.
03	<code>evaluate_pill_division</code>	Translates milligrams into pill counts and flags any inaccurate splits.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U My dog weighs 20kg. The vet prescribed 5mg/kg of this medication, and I have 10mg tablets. How many tablets should I give?



For a 20kg dog at 5mg/kg, you need 100mg total. Using 10mg tablets, you should give **10 tablets**.

U I have a 5lb cat. The dose is 2mg/kg and the pill is 5mg. How much should I give?



A 5lb weight is approximately 2.27kg. At 2mg/kg, the total dose needed is 4.54mg. Using 5mg tablets, you should give approximately **0.91 tablets** (nearly one whole tablet).

U Calculate the dose for a 10kg pet needing 2.5mg/kg using 5mg tablets.



The total dose required is 25mg. Using 5mg tablets, you should give **exactly 5 tablets**.

Frequently Asked Questions

01 Can the Pet Medication Dose Splitter help me figure out how to cut my pet's pills?

Yes, it tells you the exact fraction of a pill needed for a dose. It also alerts you if that fraction is going to be difficult to cut accurately.

02 Does the Pet Medication Dose Splitter work for different pet weights?

Yes, it handles any weight you provide. It converts units like pounds to kilograms automatically to ensure the math is correct.

03 Can I use the Pet Medication Dose Splitter to check if a pill split is safe?

Yes, it identifies if a split is easy or inaccurate. If a dose requires a weird fraction like one-third, it will warn you and suggest a better pill strength.

04 How do I use the Pet Medication Dose Splitter for a cat?

Just tell your AI client the cat's weight, the dosage rate from the vet, and the strength of the pills you have. It will do the rest.

05 Will the Pet Medication Dose Splitter give me the total milligrams?

Yes, it calculates the total milligrams needed first before translating that into the number of physical tablets you need to give.

06 Can the Pet Medication Dose Splitter suggest a different pill strength?







Yes, if the math results in a fraction that is too difficult to split safely, the tool suggests alternative pill strengths that allow for a cleaner dose.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"pet-medication-dose-splitter": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  **Ask ChatGPT** 
-  **Ask Claude** 
-  **Ask Perplexity** 
-  **Ask Gemini** 
-  **Ask Grok** 

READY TO CONNECT

Pet Medication Dose Splitter is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and
start building. No SDK. No deployment. Just results.

[Start at cloud.vinkius.com](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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