

Demo — Canadian Medical Compliance Assistant

How NOVA-AI turns Health Canada documents into a sourced Q&A assistant

2026-07-10

Table of contents

Data source	1
How the agent was created	1
Work process	2
Sample questions	2
1. Which agency regulates veterinary drug submissions?	2
2. What are the requirements for plant-based biologics?	3

Data source

- **Source:** Health Canada — <https://www.canada.ca/en/health-canada.html>
- **Captured:** 2026-07-10 (public web pages, staying within the Health Canada section)
- **Coverage:** 497 web pages plus the Health Canada PDF documents linked within them — spanning drugs and health products, medical devices, veterinary drugs, legislation and guidelines, and the department’s branches and agencies.
- **Hosting:** all processing and storage is local — nothing leaves the machine.

How the agent was created

1. **Capture** — the NOVA-AI crawler mirrored the Health Canada section, saving each page and its linked documents.
2. **Extract** — the main content of each page was pulled out (navigation, headers, and footers removed); PDFs were read directly.
3. **Split** — the text was broken into short passages; PDF pages were split individually so answers can cite a page number.

4. **Embed** — each passage was converted into a semantic vector using a local model (sentence-transformers, all-MiniLM-L6-v2), producing **581 documents / 10,311 passages**.
5. **Index** — the vectors and passages were saved as the **health-canada** agent.

Work process

1. You ask a question in plain English.
2. The agent finds the passages whose meaning is closest to your question (semantic search), plus their neighbouring passages.
3. Claude composes a clear answer **using only those passages** and cites the exact source pages.
4. Each cited source links to the live **canada.ca** page, and the whole answer can be saved as a document (.qmd / HTML / PDF).

Answers are sourced information, **not** regulatory or legal advice — always confirm against the current Health Canada guidance.

Sample questions

1. Which agency regulates veterinary drug submissions?

Answer (ask the agent, then paste the cited answer here):

Note

Health Canada's Veterinary Drugs Directorate (VDD) regulates veterinary drug submissions. Specifically, its Regulatory Operations and Policy Division manages veterinary drug submissions, overseeing intake, processing, screening, and project coordination, and issues notices of compliance [S2][S1]. The VDD is part of Health Canada [S3].

Sources:

Note

- [S1] en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html
- [S2] en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html
- [S3] en/health-canada/services/drugs-health-products/veterinary-drugs.html
- [S4] en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html

- products-food-branch/veterinary-drugs-directorate.html
- [S5] [en/health-canada/services/drugs-health-products/veterinary-drugs.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/veterinary-drugs.html)
- [S6] [en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html)
- [S7] [en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/branches-agencies/health-products-food-branch/veterinary-drugs-directorate.html)
- [S8] [en/health-canada/services/drugs-health-products/veterinary-drugs.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/veterinary-drugs.html)

2. What are the requirements for plant-based biologics?

Answer (ask the agent, then paste the cited answer here):

Note

Based on the available documents, I don't have information specifically about requirements for plant-based biologics.

The sources describe general requirements for biologics — for example, that sufficient scientific evidence must show they are safe, efficacious, and of suitable quality, and that they require more detailed chemistry and manufacturing information than other drugs [S1]. Biologic manufacturers must also supply Product Specific Facility Information and undergo an On-Site Evaluation of the manufacturing facility [S7]. However, none of the sources address plant-based biologics specifically. The sources note that natural health products are often made from plants, but that is a separate product category from biologics [S4].

Sources:

Note

- [S1] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)
- [S2] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)
- [S3] [en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html)
- [S4] [en/health-canada/services/drugs-health-products/medeffect-canada/adverse-reaction-reporting.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/medeffect-canada/adverse-reaction-reporting.html)
- [S5] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)
- [S6] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)

- [S7] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)
- [S8] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)
- [S9] [en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html](https://www.canada.ca/en/health-canada/services/drugs-health-products/biologics-radiopharmaceuticals-genetic-therapies.html)
- [S10] [en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html)
- [S11] [en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html)
- [S12] [en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html)
- [S13] [en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html](https://www.canada.ca/en/health-canada/corporate/about-health-canada/activities-responsibilities/careers-health-canada/interesting-work-competitive-pay.html)