

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in *Collinsonia canadensis***

| Activity Count | Chemical        | Plant Part | Low PPM | High PPM | StdDev               | Reference Citation   |
|----------------|-----------------|------------|---------|----------|----------------------|--|
| 2              | AKEBOSIDE       | Root       | --      | --       |                      |  |
| 28             | ALPHA-PINENE    | Plant      | --      | --       |                      |  |
| 5              | BETA-ELEMENE    | Plant      | 16      | 16       | -0.41647408954357296 | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.   |
| 13             | BETA-PINENE     | Plant      | --      | --       |                      |  |
| 31             | CARYOPHYLLENE   | Tuber      | --      | --       |                      |  |
| 31             | CARYOPHYLLENE   | Plant      | 2       | 6        | -0.5684491667879048  |  |
| 2              | COLLINSONIDIN   | Root       | --      | --       |                      |  |
| 2              | COLLINSONIN     | Root       | --      | --       |                      |  |
| 9              | DELTA-CADINENE  | Plant      | 13      | 13       | -0.47305321678217616 |  |
| 16             | ELEMICIN        | Plant      | 18      | 18       |                      |  |
| 2              | GERMACRENE-D    | Plant      | 230     | 230      | -0.22773055485165272 |  |
| 60             | LIMONENE        | Plant      | --      | --       |                      |  |
| 3              | MUCILAGE        | Plant      | --      | --       |                      | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |
| 57             | ROSMARINIC-ACID | Plant      | --      | --       |                      |  |
| 35             | TANNIN          | Plant      | --      | --       |                      | Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp. |