



## Hibiscus Cannabis Feruloyl-CoA: Monolignol Transferase

[View U.S. Patent No. 9,493,783 in PDF format.](#)

**WARF: P120103US02**

Inventors: John Ralph, Saunia Withers, Curtis Wilkerson, Shawn Mansfield

### The Invention

The invention relates to isolated nucleic acids encoding a feruloyl-CoA:monolignol transferase and feruloyl-CoA:monolignol transferase enzymes. The isolated nucleic acids and/or the enzymes enable incorporation of monolignol ferulates into the lignin of plants, where such monolignol ferulates include, for example, p-coumaryl ferulate, coniferyl ferulate, and/or sinapyl ferulate. The invention also includes methods and plants that include nucleic acids encoding a feruloyl-CoA:monolignol transferase enzyme and/or feruloyl-CoA:monolignol transferase enzymes.

### Additional Information

#### For More Information About the Inventors

- [John Ralph](#)

#### Related Intellectual Property

- [View Continuation Patent in PDF format.](#)

#### Tech Fields

- [Clean Technology: Biobased & renewable chemicals & fuels](#)

For current licensing status, please contact Jennifer Gottwald at [jennifer@warf.org](mailto:jennifer@warf.org) or 608-960-9854