



Biopesticides for the treatment of wine pathogens

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What we are looking for

We are looking for a suitable partner to enter into license deal/co-development partnership

What it is needed for?

Fungi of the genus *Trichoderma* produce peptaibols, secondary metabolites that are part of their defence system against other microorganisms. Such compounds are known for their ability to protect plants from parasites by stimulating the plant's defence mechanisms and because of their antimicrobial properties.

This patent covers the synthetic analogues of the natural trichogin peptide GA IV and their use as biopesticides against *Plasmopara viticola*, *Botrytis cinerea*, *Penicillium italicum*, *Penicillium digitatum*, *Penicillium expansum*, *Fusarium graminearum* e *Pyricularia oryzae*. Compared to other peptaibol based products on the market, which are generally non purified natural extracts, this biocompatible product is much more effective, as well as being soluble in water and stable in sunlight.

Advantages

- Soluble in water
- Biocompatible
- Pure composition = greater effectiveness
- Stable under sunlight
- It is the only existing treatment for downy mildew

Applications

- Biopesticide for *Plasmopara viticola*
- Biopesticide for *Botrytis cinerea*
- Biopesticide for *Penicillium digitatum* and *Penicillium expansum*
- Biopesticide for *Fusarium graminearum*
- Biopesticide for *Pyricularia oryzae*

TRL scale

