

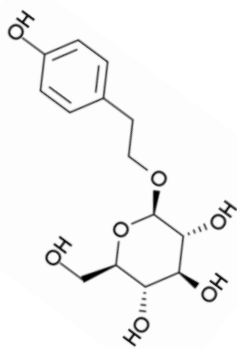
SMART SPECIALISATION  
COOPERATION IN CENTRAL EUROPE



European  
Commission

# In vitro Production of Roseroot phytopharmaceuticals

Kaposvar University (Hungary)  
Szent István University (Hungary)



Salidroside

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# Rhodiola glycosides are 21th century medicines (Adaptogens)

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Articles **Integrating *Rhodiola rosea* in Clinical Practice**  
PL Gerbarg, RP Brown - *Complementary and Integrative ...*, 2017 - books.google.com  
CHAPTER 9 Integrating *Rhodiola rosea* in Clinical Practice Clinical Cases Patricia L.  
Gerbarg, MD Richard P. Brown, MD Its flower rises on twin stalks a cubit high. In color it resembles  
the Korykian crocus, and the root in the earth is like newly cut flesh. Like the dark moisture from  
[All 2 versions](#) [Cite](#) [Save](#)

Demand for roseroot rhizome is much more than what its natural recourses can provide

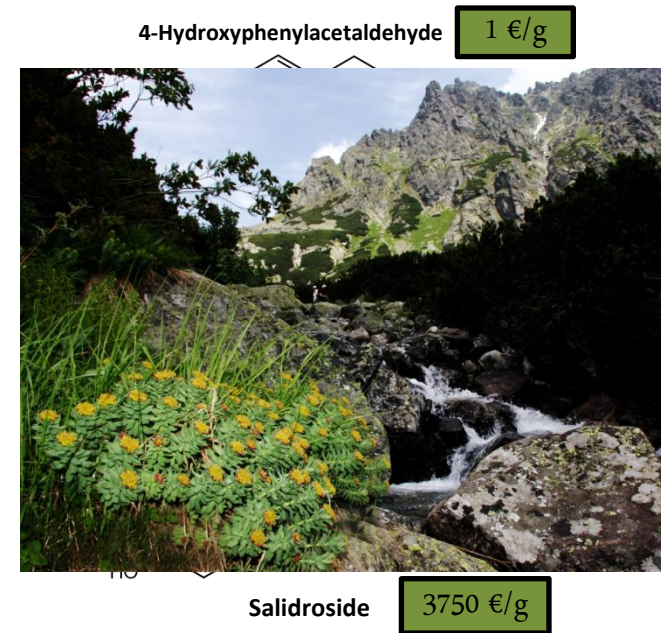
Roseroot is difficult to cultivate and it takes 4-5 year to reach a justifiable rhizome size to harvest which leads to plant death!

We have:

Research infrastructure and already stablished experiments with promising results

Both KE and SZIE are capable of conducting the project

The Project is based in Hungary but aims international market



# What I'm hoping for!

- Experts opinion on regulatory affairs and critics
- Industrial partner with interest in new natural products development
- Grants for continuing the further research and establishing a prototype bioreactor pilot
- Any further advise for implementation of this research into industrial application





**Thank you!**

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