

Panacea Plant Sciences presents positive preclinical data for PPS1, PPS2 at Cannabis Science Conference

Washington State biotech announces discovery of patent-pending synergistic psychedelic formulations

LONG BEACH, CALIFORNIA, UNITED STATES, May 19, 2022 /EINPresswire.com/ -- [Panacea Plant Sciences](#) today announced preclinical data demonstrating the potential for therapeutic formulations of two drug candidates during the Cannabis Science Conference.



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*Panacea Plant Sciences CTO
Daniel Riddle*

The latest preclinical results for PPS1 and PPS2 show synergistic activity at the 5-HT_{2A} receptor when combined with dimethyltryptamine (DMT). PPS1 and PPS2 increased binding with DMT 224% and 16% respectively. The data indicates the ability of PPS drug candidates to make a sub-therapeutic dose of DMT potent enough to be potentially utilized for medical treatments.

“We are excited to capture some of the first evidence of the entourage effect in psychedelic formulations,” Panacea Plant Sciences CEO David Heldreth said. “There is still a long way to go as we work to bring these candidates to market and start helping patients.”

The 5-HT_{2A} receptor has been a renewed focus of drug discovery as therapeutic psychedelic research has expanded in recent years. Evidence is gathering which shows that 5-HT_{2A} agonists have the ability to treat mental health conditions such as PTSD, addiction and depression. The mechanisms include increased brain connectivity, neuron growth and more.

As interest in psychedelics and research in their medicinal use has increased, cost has surfaced as a recurrent barrier for adoption. PPS1 and PPS will allow the use of significantly lower doses of active compounds and thus reduce the cost.

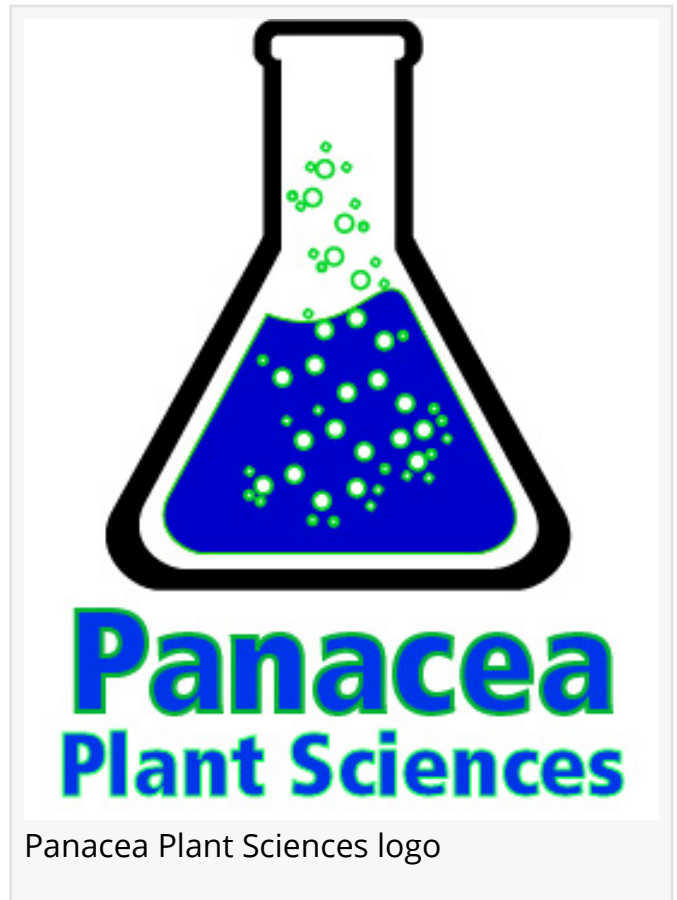
“Medical grade psychedelic compounds cost thousands of dollars per gram,” Panacea Plant Sciences Chief Technical Officer Daniel Riddle said, “Utilizing compounds which improve the efficacy of psychedelics has the potential to greatly increase patient access to these extremely

costly medicines.”

Panacea Plant Sciences has conducted similar studies on 5-MEO-DMT, psilocin, LSD, mescaline and other compounds, as well as identifying compounds which reduce activity of agonists on the 5-HT_{2A} receptor. The company expects to publish the full data in Q3 2022.

About Panacea Plant Sciences

Panacea Plant Sciences is a biotechnology company focused on developing ethical, practical, sustainable solutions to a variety of complex problems through the use of a multidisciplinary team and collaboration. PPS has patented technology to increase yields on cannabinoids, terpenes and other metabolites in plants. The company is investigating the minor constituents of lifeforms to discover novel compounds for drug discovery.



www.PanaceaPlantSciences.net

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