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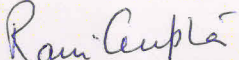
ENTREPRENEURS INVITED FOR BENCH-SCALE TECHNOLOGY

A bench-scale process for enzymatic synthesis of L-theanine has been developed in our laboratory. Theanine is a non-protein amino acid (chemically named 2-amino-4-(ethylcarbamoyl) butyric acid) that occurs naturally in the tea plant (*Camellia sinensis*) and contributes to the favourable taste of tea. It is also associated with effects such as the enhancement of relaxation and the improvement of concentration and learning ability. It is also linked with health benefits including the prevention of certain cancers and cardiovascular disease, the promotion of weight loss and enhanced performance of the immune system. It is a FDA approved food supplement and a popular additive in health drinks. It has been used in medical, food and cosmetic sectors. Thus, there has been a significant rise in the demand for theanine.

Key features of the process:

1. Cost-effective and recyclable using immobilized enzyme
2. Lesser time consumption
3. Scalable to kg level
4. Product purification and concentration process available
5. Enzyme production process available

Any company dealing in nutraceutical or start-ups interested in such products can contact the undersigned for acquiring the bench-scale process through technology transfer or collaborative research.


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