
Composition and method to augment and sustain neurotransmitter production

Abstract

This invention describes a method and composition to enhance the synthesis and release of the neurotransmitters by the oral administration of neurotransmitter precursors, along with natural plant substances that stimulate uptake of the neurotransmitters precursors, while adding natural plant substances that activate adenylyl cyclase in order to avoid attenuation and prevent pharmacologic tolerance. The invention describes compositions for a medical foods that are designed to improve cognitive function, induced sleep, a improve Parasympathetic function, improve autonomic balance, increase nitric oxide production, reduce blood pressure, increase blood flow, and treat virus infections. The compositions include amino acids such as choline, herbs such ginkgo biloba, and other foods such as coca. The invention also describes the use of physiologic tests such as 24 hour ECG monitoring to create the appropriate combinations and assess the useful proportions.

Inventors: *Shell; William* (Los Angeles, CA), *Charuvastra; Elizabeth* (Los Angeles, CA)

Assignee: **Targeted Medical Pharma Inc.** (Los Angeles, CA)

Appl. No.: **11/714,052**

Filed: **March 5, 2007**

Related U.S. Patent Documents

<u>Application Number</u>	<u>Filing Date</u>	<u>Patent Number</u>	<u>Issue Date</u>
10228765	Aug., 2002		

Current U.S. Class: **424/725** ; 424/728; 424/737; 424/739; 424/752; 424/764

Current International Class: A61K 36/25 (20060101); A61K 36/00 (20060101);
A61K 36/16 (20060101); A61K 36/254 (20060101);
A61K 36/28 (20060101); A61K 36/54 (20060101);
A61K 36/734 (20060101)
