**What is claimed is:**

1. The use of a Proline-Rich Polypeptide complex with a molecular weight of up to 10 kDa comprising 16-22% of proline, derived from the mammalian colostrum, in the manufacture of a medicament for use in the treatment of disorders related to the modulation of the Brain-Derived Neurotrophic Factor level, said disorders relating to malfunctions of the nervous system or temporary intensive mental activity, or comprising depressed mood, memory decline, concentration and memory difficulties, and tiredness.

2. The use according to claim 1, wherein the medicament is to be administered in the cases of low levels of the Brain-Derived Neurotrophic Factor diagnosed in the blood.

3. The use according to claim 1 or 2, wherein the medicament is to be administered in order to increase the efficiency of short-term visual memory, improve learning abilities and spatial memory, increase the speed of reaction in response to a stimulus, improve the ability to focus and/or to concentrate.

4. The use according to claim 1 or 2, wherein the Proline-Rich Polypeptide complex is to be administered as a nutritional additive for older babies after breastfeeding, for children, and for adults.

5. The use according to claim 1 or 2, wherein the Proline-Rich Polypeptide complex is to be administered as a nutritional additive for pregnant women, in order to increase the Brain-Derived Neurotrophic Factor level in the blood of a mother and a baby.

6. The use according to claim 1 or 2, wherein the Proline-Rich Polypeptide complex is to be administered as an additive in a modified milk formula for older babies after breastfeeding, in order to increase the Brain-Derived Neurotrophic Factor level in a baby blood.

7. The use according to claim 1 or 2, wherein the Proline-Rich Polypeptide complex is to be administered as an additive in an infant nutritional milk formula, in order to increase the Brain-Derived Neurotrophic Factor level in an infant blood, to the level being at least comparable to the level detected in the blood of breastfed baby.

8. The use according to claim 7, wherein the Proline-Rich Polypeptide complex is to be administered as an additive in an infant nutritional milk formula, to nourish infants belonging to the group comprising infants who had not been breasted from birth and infants post weaning from mother's milk, said infants being additionally diagnosed with a low Brain-Derived Neurotrophic Factor level in the blood.

9. The use according to claim 1 to 8, wherein the Proline-Rich Polypeptide complex is a whey proten complex isolated from bovine colostrum.

10. The Proline-Rich Polypeptide complex for use according to claim 1-9, wherein the Proline-Rich Polypeptide complex comprises about 18% of acidic amino acids.

11. The Proline-Rich Polypeptide complex for use according to claim 10, wherein the Proline-Rich Polypeptide is free of the β-lactoglobulin fraction.