CLAIMS

1. A liquid pharmaceutical composition comprising at least about 30 % by weight of the total composition of caprylic triglyceride, and one or more emulsion forming excipients present at a concentration sufficient to form an emulsion that is stable for at least one month under ambient conditions.

2. The liquid pharmaceutical composition of claim 1, wherein the one or more emulsion forming excipients are selected from the group consisting of lecithin, hydrogenated castor oils, caprylate esters, sodium oleate, glycerol, citric acid esters of monoglycerides and diglycerides, monoglycerides and diglycerides of fatty acids including Propylene Glycol Monocaprylate, and combinations thereof

3. The liquid pharmaceutical composition of claim 1, wherein the one or more emulsion forming excipients are selected from the group consisting of lecithin, hydrogenated castor oils, caprylate ester emulsifiers, glycerol, and combinations thereof.

4. The liquid pharmaceutical composition of claim 1, wherein the one or more emulsion forming excipients are selected from the group consisting of lecithin, sodium oleate, glycerol, and combinations thereof.

5. The liquid pharmaceutical composition of claim 1, wherein the one or more emulsion forming excipients are selected from the group consisting of Citrem, monoglycerides and diglycerides of fatty acids, and combinations thereof.

6. The liquid pharmaceutical composition of any of the preceding claims, wherein the caprylic triglyceride is present in an amount of between about 30% and about 60% by weight of the total composition.

7. The liquid pharmaceutical composition of any of the preceding claims, wherein the one or more emulsion forming excipients are present in an amount of between about 1% and about 10% by weight of the total composition, preferably in an amount of between about 1% and about 8% by weight of the total composition.

8. The liquid pharmaceutical composition of any of the preceding claims, wherein there are at least two emulsion forming excipients present in the composition, and at least one of the emulsion forming excipients is present in an amount of at least 2.0% by weight of the total composition.

9. The liquid pharmaceutical composition of claim 8, wherein the at least two emulsion forming excipients are present at a 1:1 to 2:1 ratio, relative to one another.

10. The liquid pharmaceutical composition of any of the preceding claims, wherein the stable emulsions exhibits an average particle diameter of less than 0.5 μm for at least one month at ambient conditions, preferrable less than 0.3 μm for at least one month at ambient conditions, preferrable less than 0.2 μm for at least one month at ambient conditions.

11. The liquid pharmaceutical composition of any of the preceding claims, further comprising an oil soluble flavouring agent.

12. Use of the liquid pharmaceutical compositions of any of the preceding claims in the manufacture of a medicament for the treatment of a disease or disorder associated with reduced cognitive function in a subject in need thereof, wherein the liquid pharmaceutical composition in an amount effective to elevate ketone body concentrations in said subject to thereby treat said disease or disorder is to be administered to the subject.

13. The use of claim 12, wherein the disease or disorder associated with reduced cognitive function is selected from Alzheimer's disease and Age-Associated Memory Impairment.

14. The use of claims 12 or 13, wherein the patient is to be further determined if the patient lacks the ApoE4 genotype.

15. The use of claims 12-14, wherein the composition is to be administered at a dose of about 0.05 g/kg/day to about 10 g/kg/day.

16. The liquid pharmaceutical compositions of any one of claims 1-11 for use in therapy.