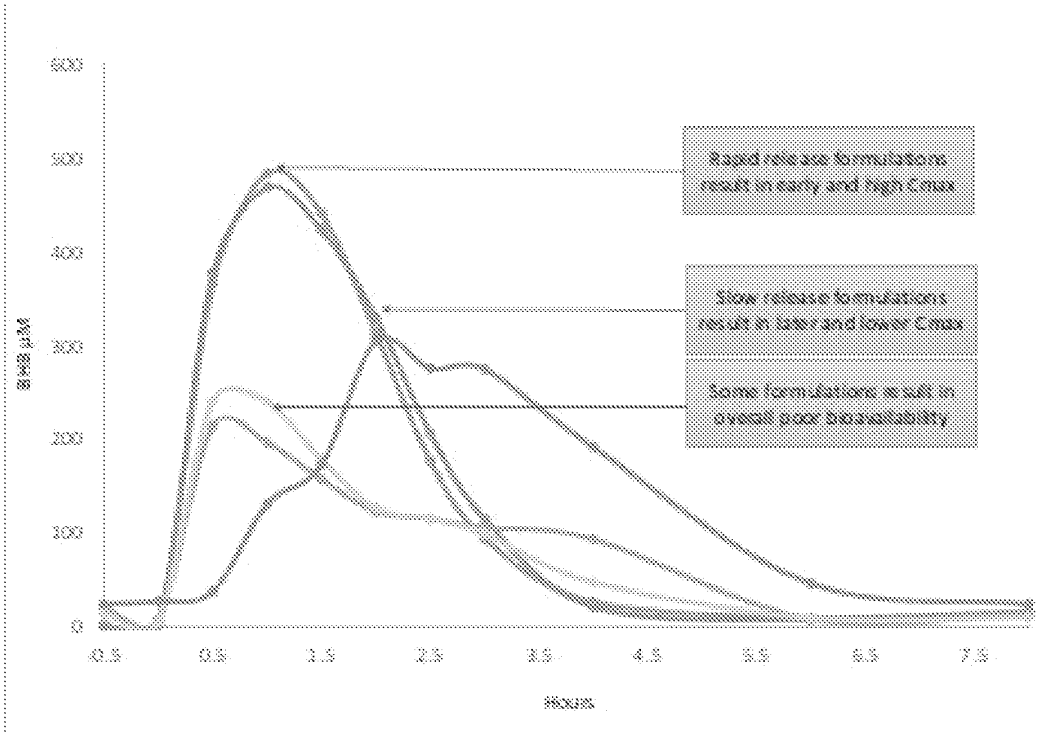

600
500
400
300
200
100
0
0.5
1.5
2.5
3.5
4.5
5.5
6.5
7.5
Rapid release formulations result in early and high Cmax
Slow release formulations result in later and lower Cmax
Some formulations result in overall poor bioavailability

FIG. 1

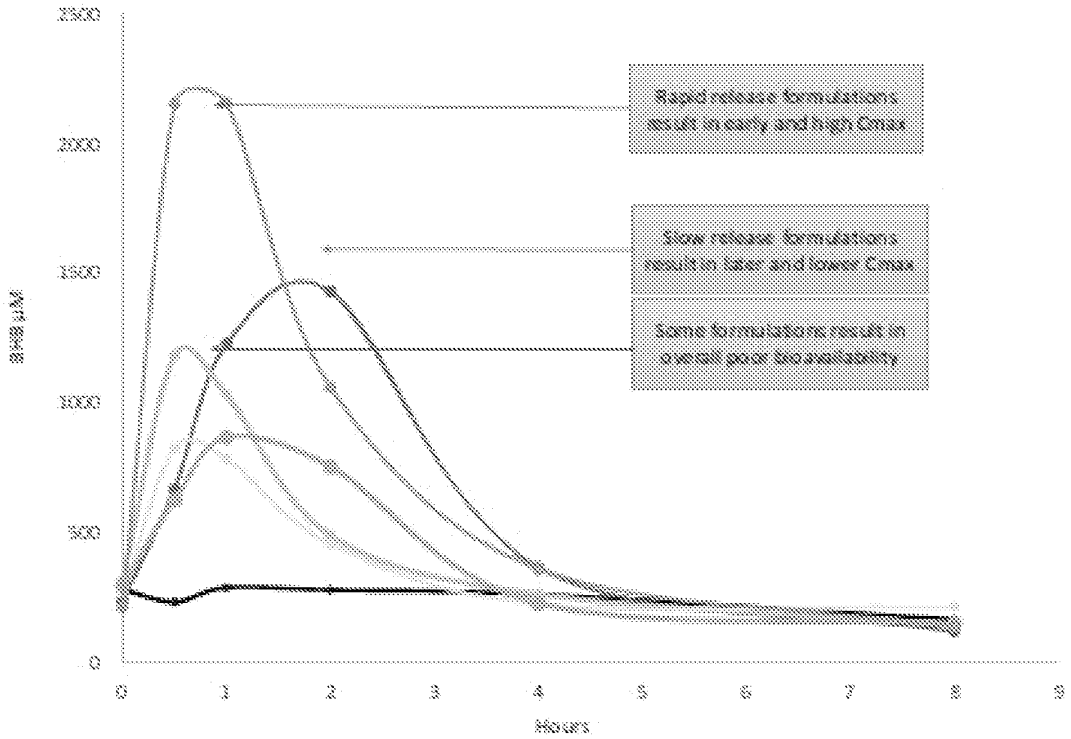

2500
2000
1500
1000
500
0
0
1
2
3
4
5
6
7
8
9
Hours
Rapid release formulations result in early and high Cmax
Slow release formulations result in later and lower Cmax
Some formulations result in overall poor bioavailability

FIG. 2

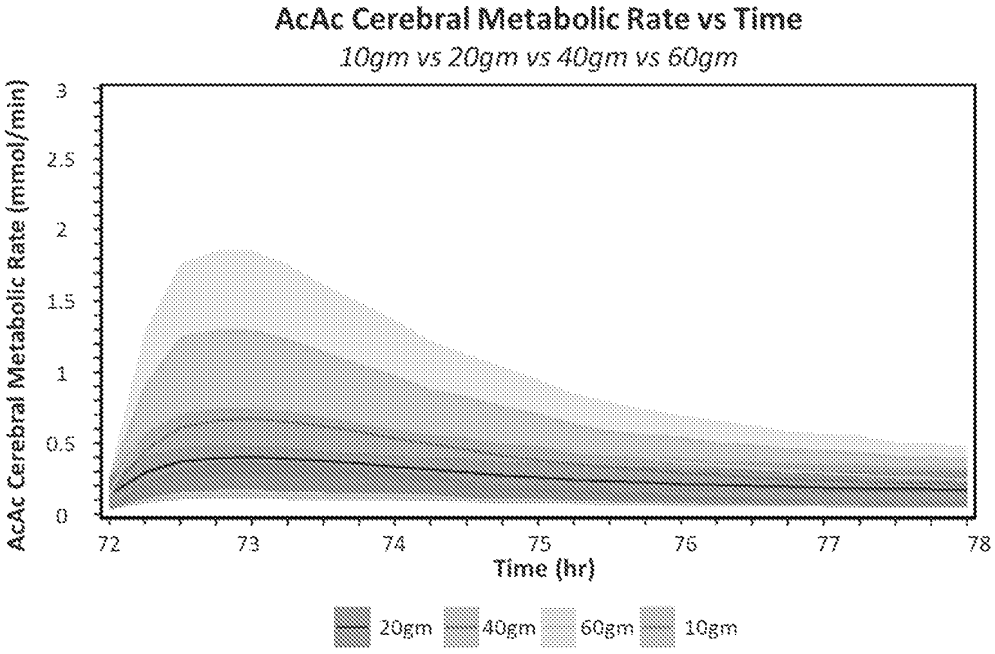
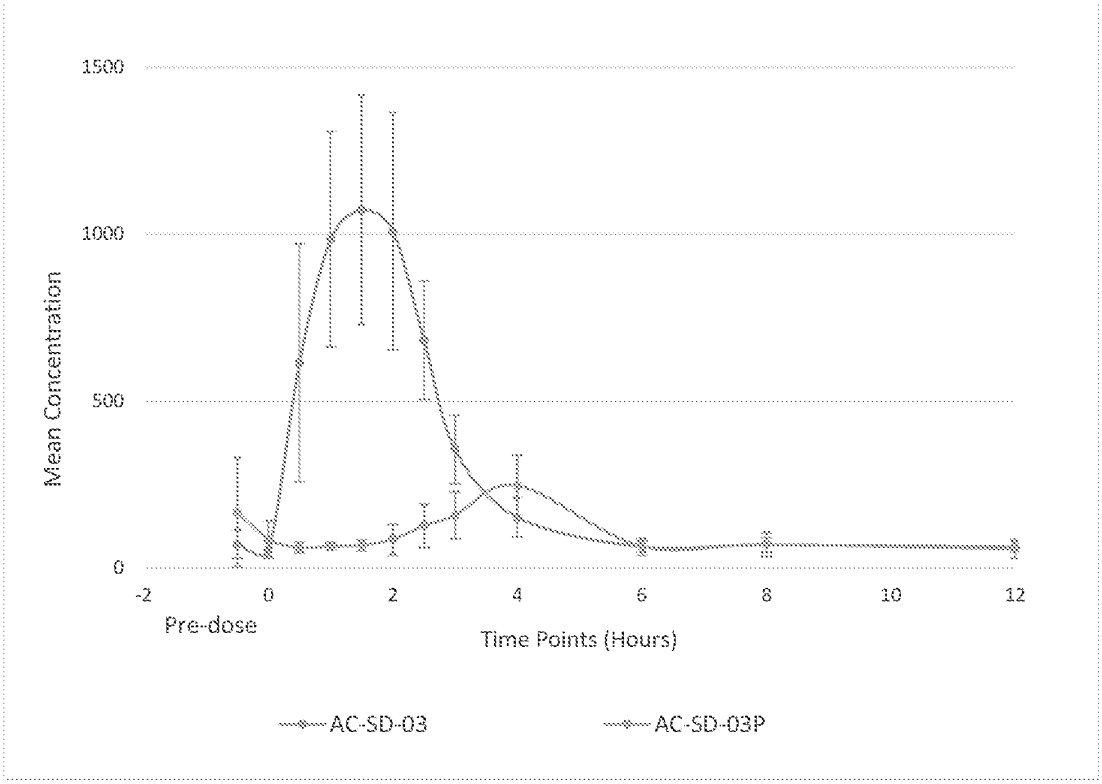
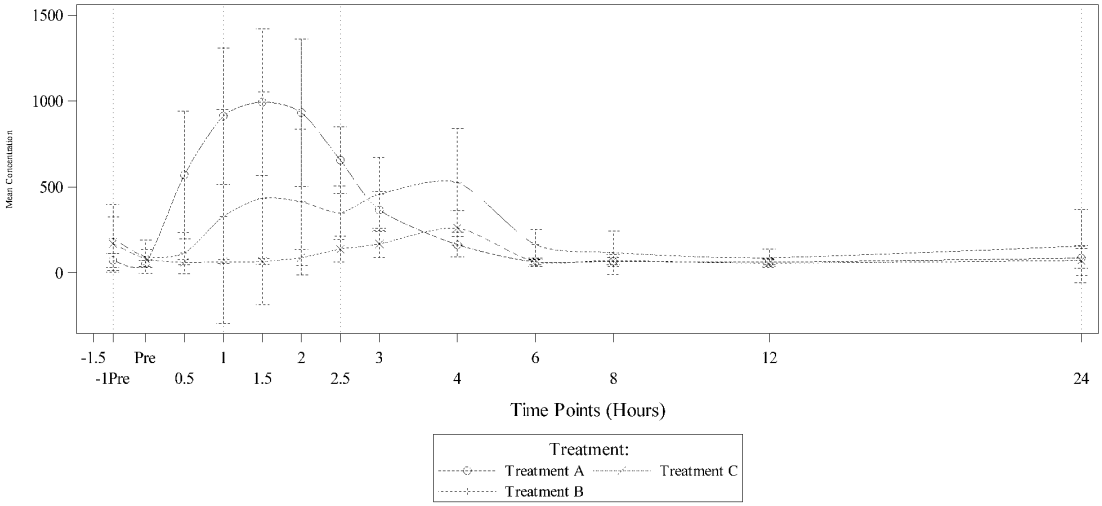

AcAc Cerebral Metabolic Rate vs Time
10gm vs 20gm vs 40gm vs 60gm
AcAc Cerebral Metabolic Rate (mmol/min)
3
2.5
2
1.5
1
0.5
0
72
73
74
75
76
77
78
Time (hr)
20gm
40gm
60gm
10gm

FIG. 3



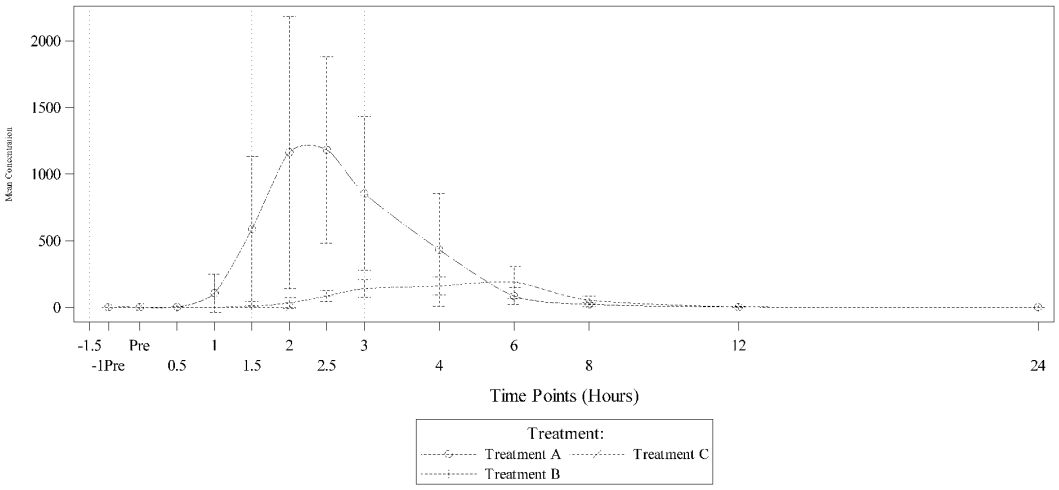
Mean (±SD) Plasma Total Ketones Concentrations

FIG. 4



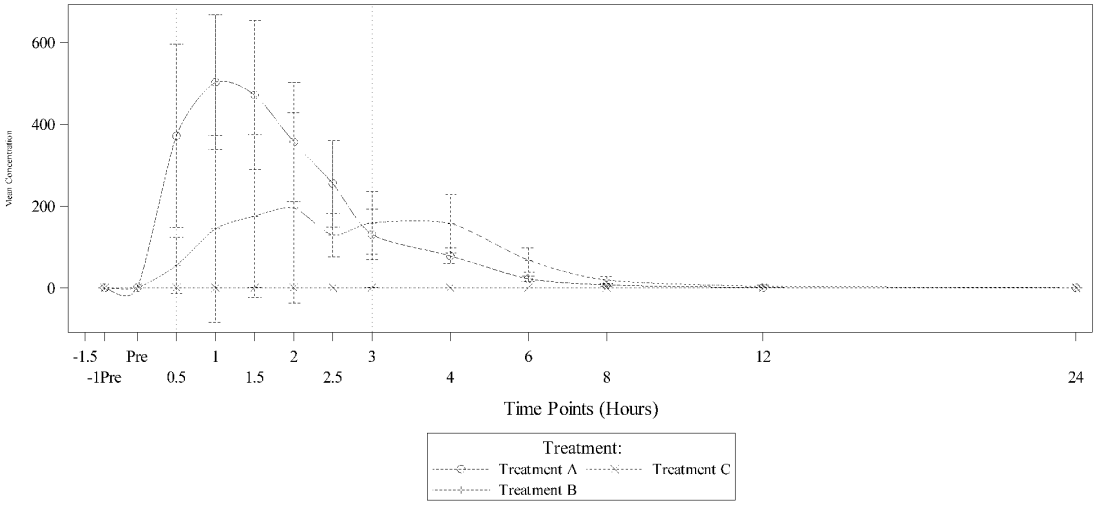
Mean (±SD) Unadjusted Total Ketones Plasma Concentration - Linear Scale – Overall

FIG. 5



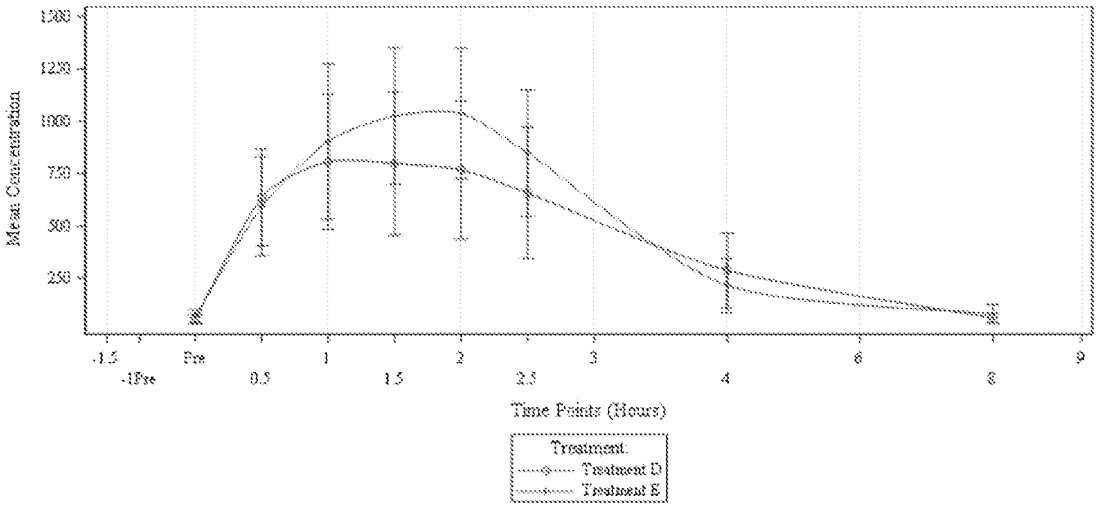
Mean (±SD) Unadjusted Tricaprilin Plasma Concentration - Linear Scale – Overall

FIG. 6



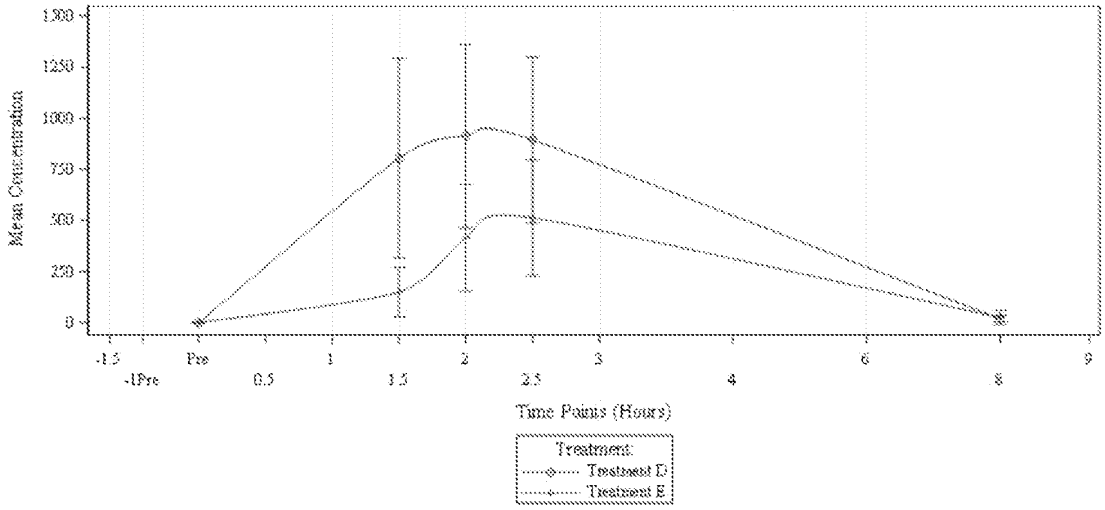
Mean (±SD) Unadjusted Octanoic Acid Plasma Concentration - Linear Scale – Overall

FIG. 7



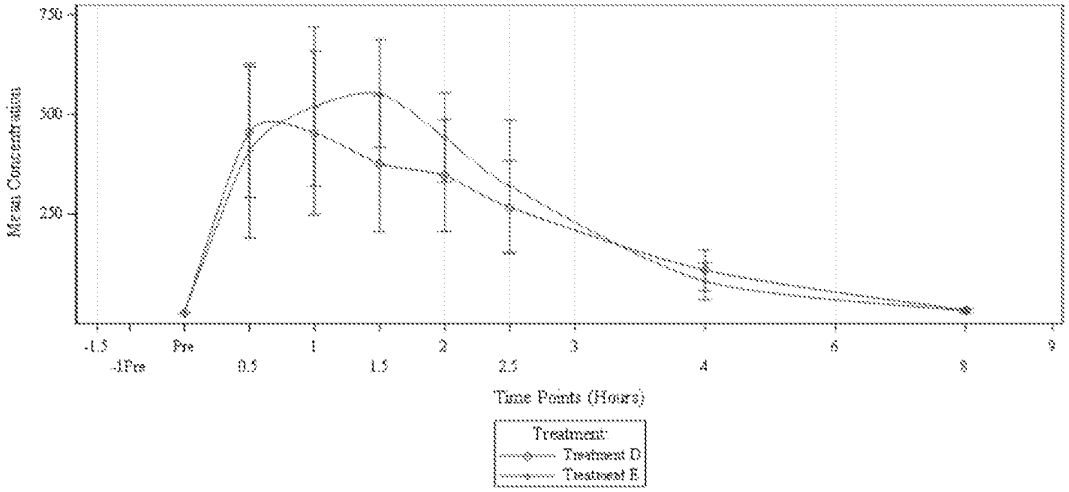
Mean Unadjusted PK Concentrations - Overall - Total Ketones (μM) (PK Population)

FIG. 8



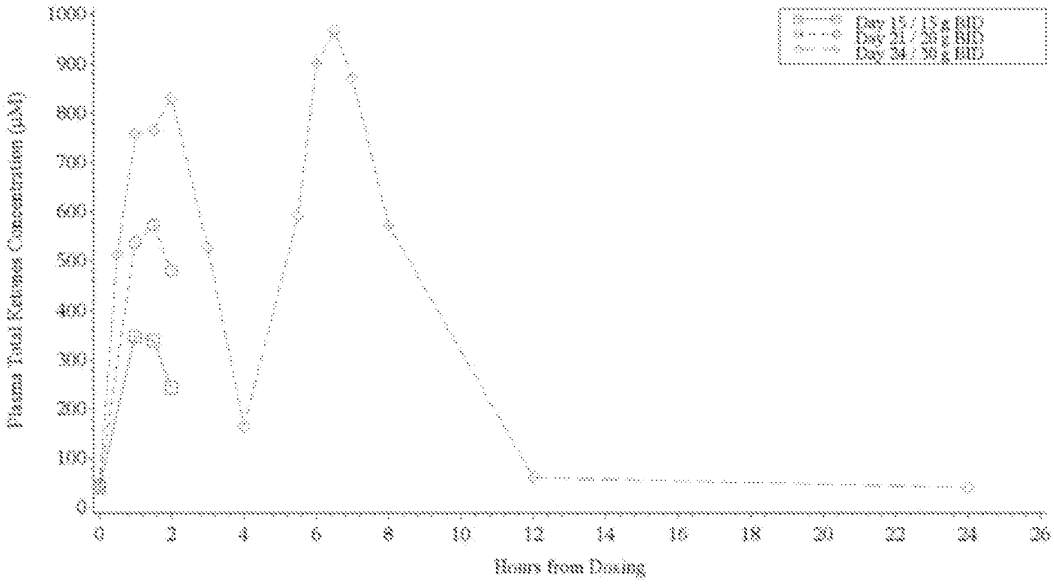
Mean Unadjusted PK Concentrations - Overall – Tricaprilin (ng/mL) (PK Population)

FIG. 9



Mean Unadjusted PK Concentrations -Overall – Octanoic Acid (μM) (PK Population)

FIG. 10



Mean plasma total ketone concentrations

FIG. 11

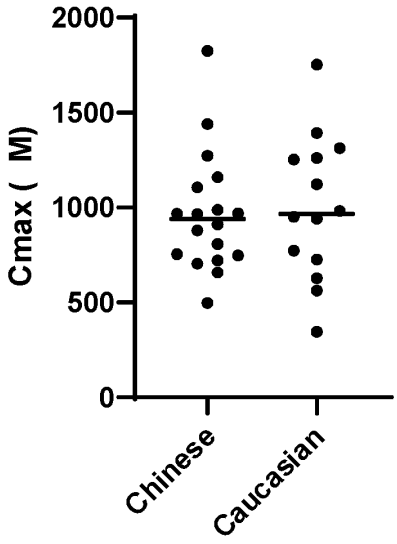


FIG. 12A

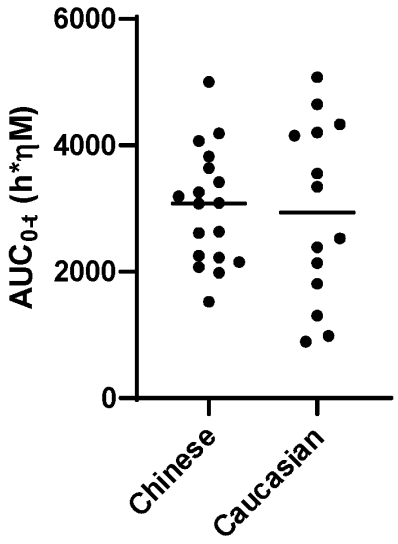


FIG. 12B

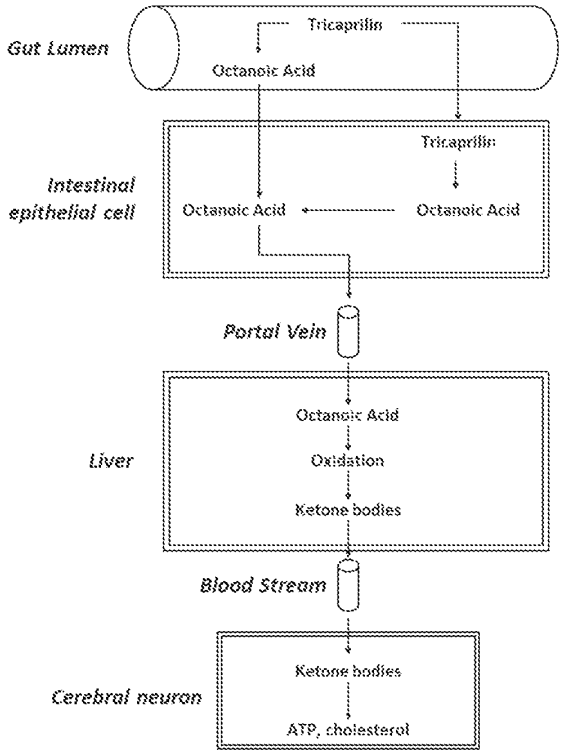

Gut Lumen
Tricaprilin
Octanoic Acid
Intestinal epithelial cell
Tricaprilin
Octanoic Acid
Octanoic Acid
Portal Vein
Liver
Octanoic Acid
Oxidation
Ketone bodies
Blood Stream
Cerebral neuron
Ketone bodies
ATP, cholesterol

FIG. 13