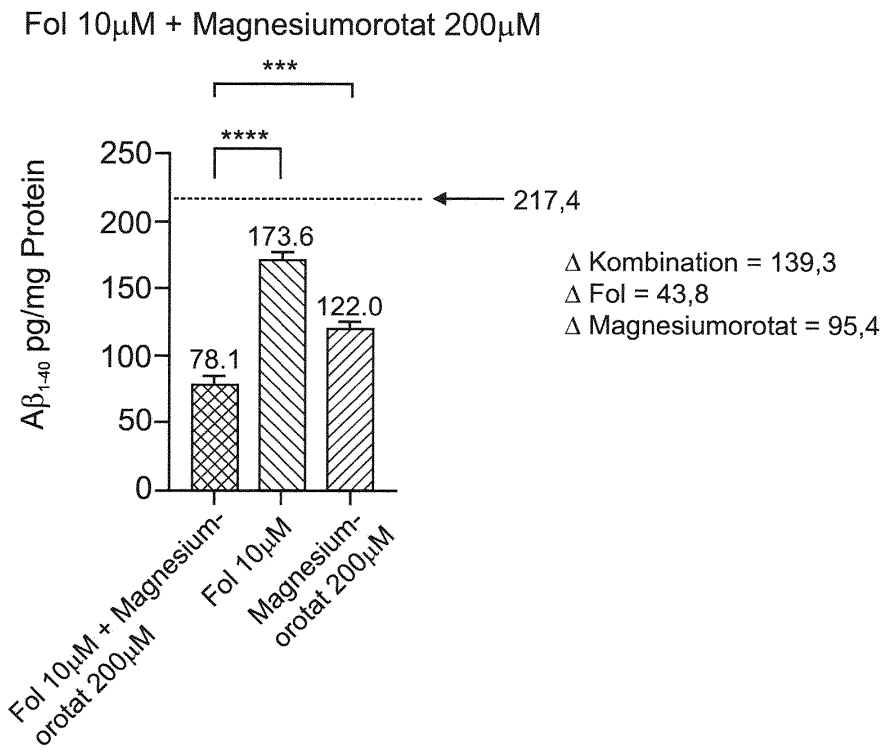

Fol 10µM + Magnesiumorotat 200µM
***
****
250
200
150
100
50
0
Aβ1-40 pg/mg Protein
217,4
173.6
122.0
78.1
Δ Kombination = 139,3
Δ Fol = 43,8
Δ Magnesiumorotat = 95,4
Fol 10µM + Magnesium-orotat 200µM
Fol 10µM
Magnesium-orotat 200µM

Fig. 1A

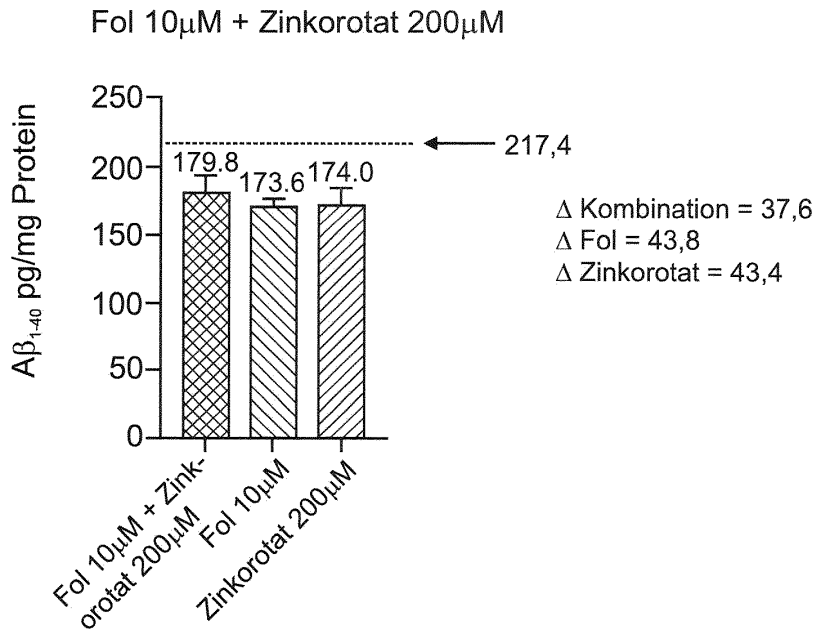

Fol 10µM + Zinkorotat 200µM
Aβ1-40 pg/mg Protein
250
200
150
100
50
0
179.8
173.6
174.0
217,4
Δ Kombination = 37,6
Δ Fol = 43,8
Δ Zinkorotat = 43,4
Fol 10µM + Zink-orotat 200µM
Fol 10µM
Zinkorotat 200µM

Fig. 1B

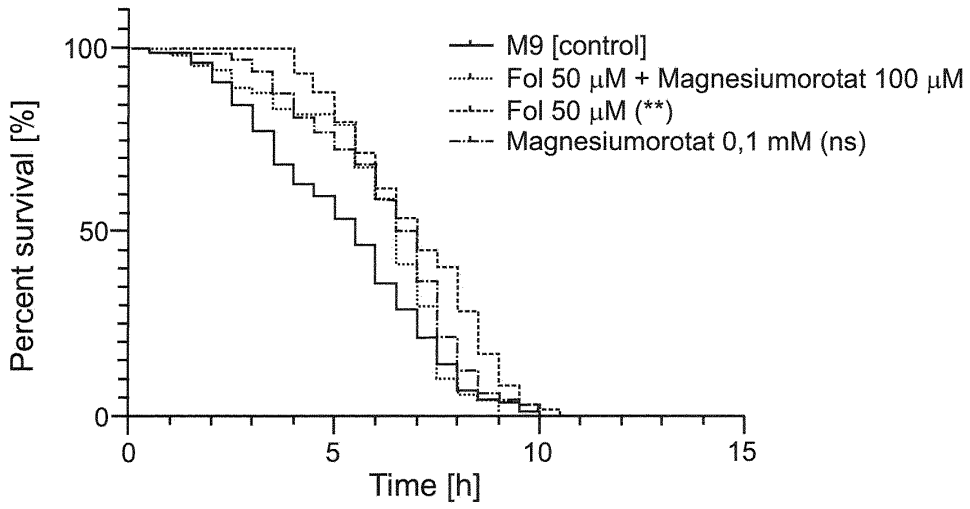

Percent survival [%]
100
50
0
0
5
10
15
Time [h]
M9 [control]
Fol 50 µM + Magnesiumorotat 100 µM
Fol 50 µM (**)
Magnesiumorotat 0,1 mM (ns)

Fig. 2

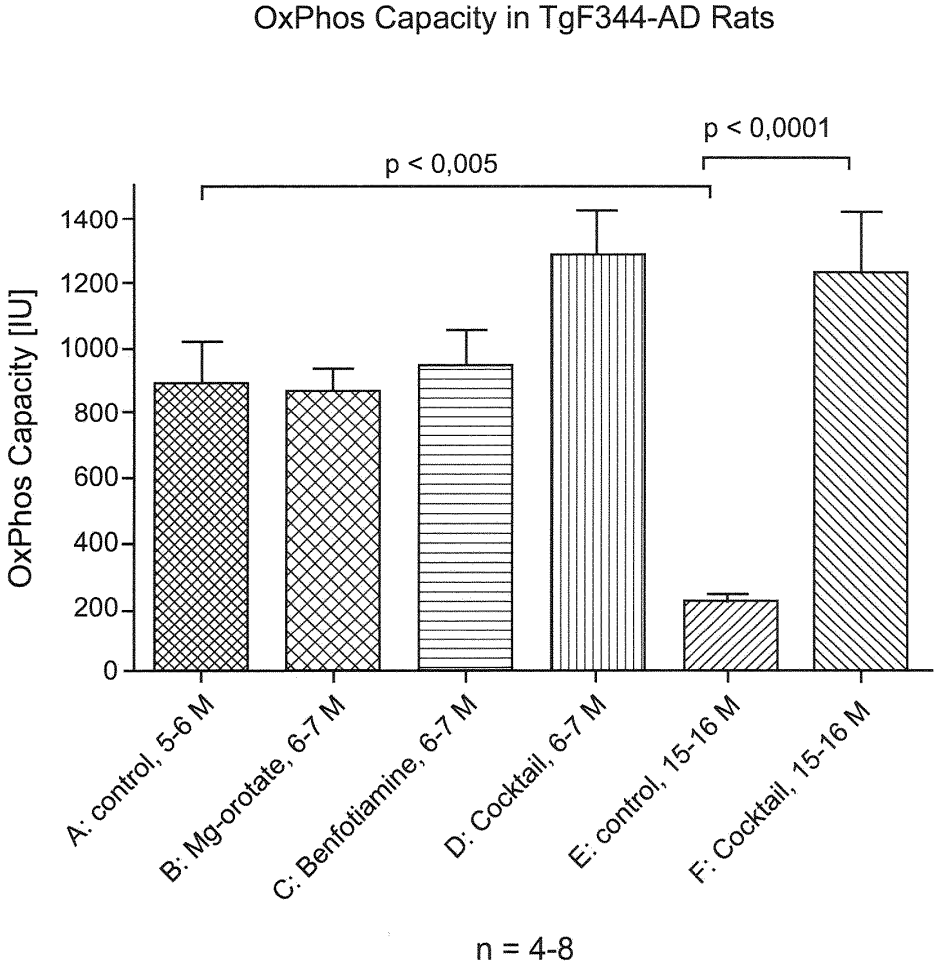

OxPhos Capacity in TgF344-AD Rats
p < 0,005
p < 0,0001
OxPhos Capacity [IU]
0
200
400
600
800
1000
1200
1400
A: control, 5-6 M
B: Mg-orotate, 6-7 M
C: Benfotiamine, 6-7 M
D: Cocktail, 6-7 M
E: control, 15-16 M
F: Cocktail, 15-16 M
n = 4-8

Fig. 3