Aβ $_{1-15}$ (ACI-24)

H_2N-Lys-Lys-Asp(OtBu)-Ala-Glu(OtBu)-Phe-Arg(Pbf)-His(Trt)-Asp(OtBu)-Ser(tBu)-Gly-Tyr(tBu)-Glu(OtBu)-Val-His(Trt)-His(Trt)-Gln(Trt)- Lys-Lys-OH

Aβ $_{1-16}$ (ACI-01)

Ac-Lys-Asp(OtBu)-Ala-Glu(OtBu)-Phe-Arg(Pbf)-His(Trt)-Asp(OtBu)-Ser(tBu)-Gly-Tyr(tBu)-Glu(OtBu)-Val-His(Trt)-His(Trt)-Gln(Trt)-Lys(Boc)-Lys-Gly-OH

Aβ $_{1-16(\Delta 14)}$ (ACI-02)

Ac-Lys-Asp(OtBu)-Ala-Glu(OtBu)-Phe-Arg(Pbf)-His(Trt)-Asp(OtBu)-Ser(tBu)-Gly-Tyr(tBu)-Glu(OtBu)-Val-His(Trt)-Gln(Trt)-Lys(Boc)-Lys-Gly-OH

Aβ $_{22-35}$(ACI-11)

Ac-Lys-Glu(OtBu)-Asp(OtBu)-Val-Gly-Ser(tBu)-Asn(Trt)-Lys(Boc)-Gly-Ala-Ile-Ile-Gly-Leu-Met-Lys-Gly-OH

Aβ $_{29-40}$ (ACI-12)

Ac-Lys-Gly-Ala-Ile-Ile-Gly-Leu-Met-Val-Gly-Gly-Val-Val-Lys-Gly-OH

FIG 1

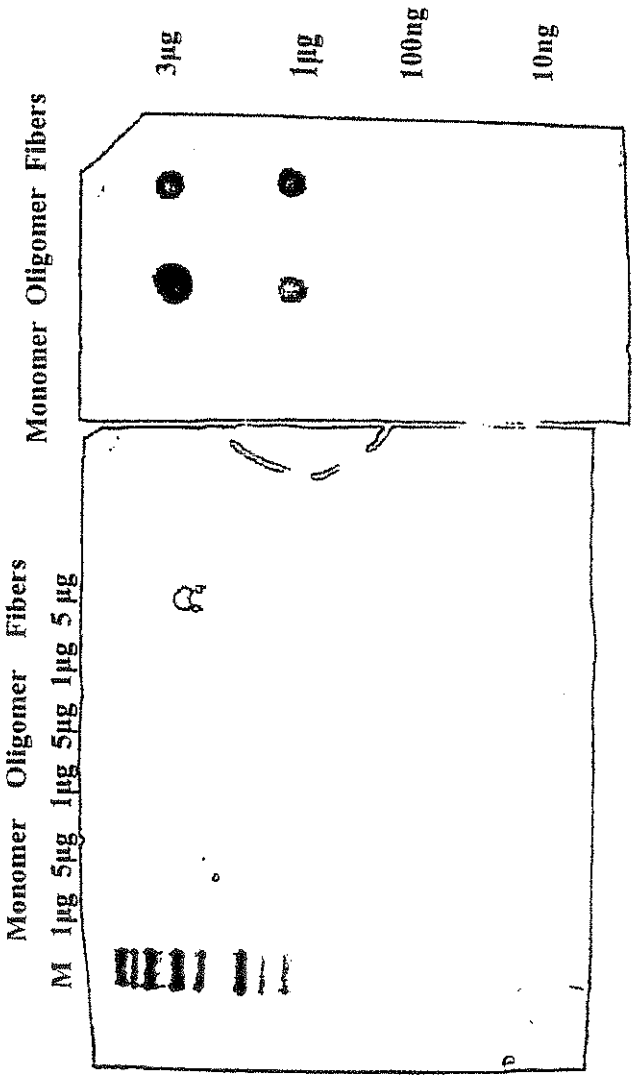

Monomer Oligomer Fibers
3µg
1µg
100ng
10ng
Monomer Oligomer Fibers
M 1µg 5µg 1µg 5µg 1µg 5 µg

FIG. 2a

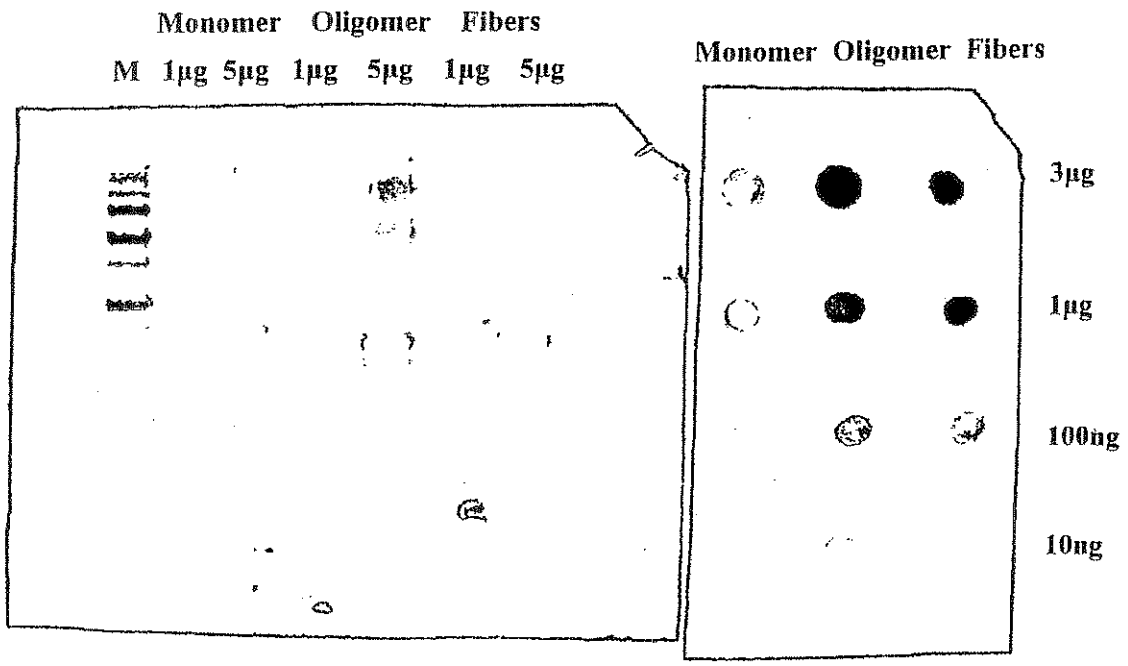

Monomer Oligomer Fibers
M 1µg 5µg 1µg 5µg 1µg 5µg
Monomer Oligomer Fibers
3µg
1µg
100ng
10ng

FIG. 2b

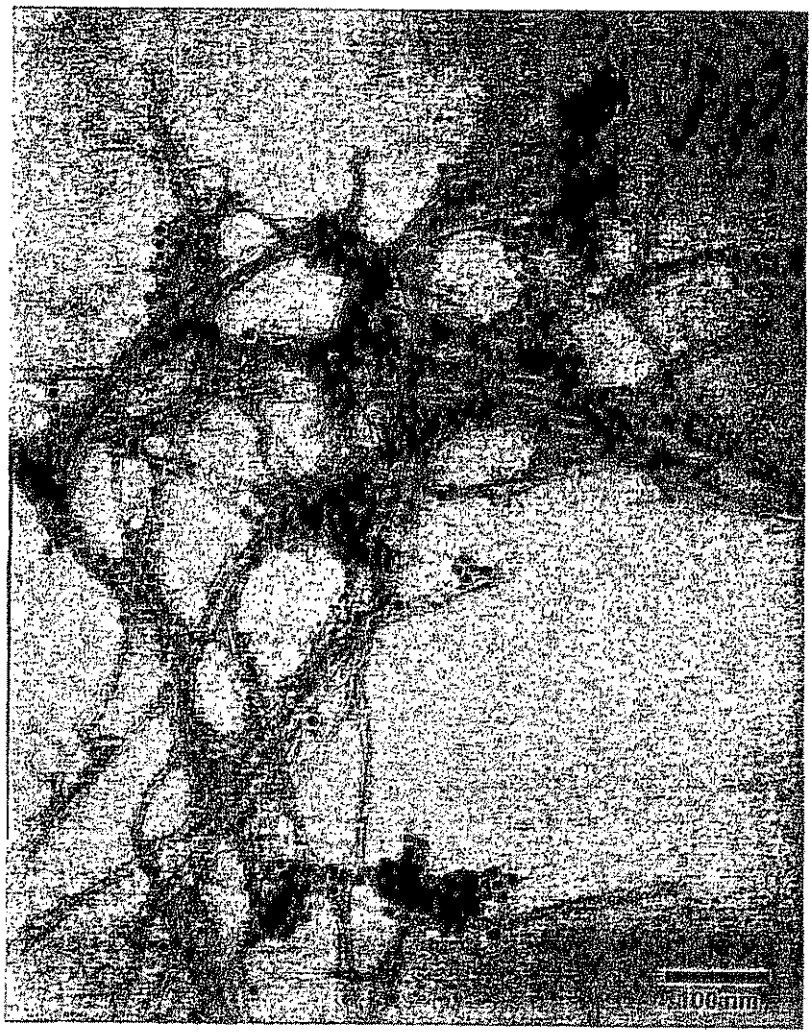
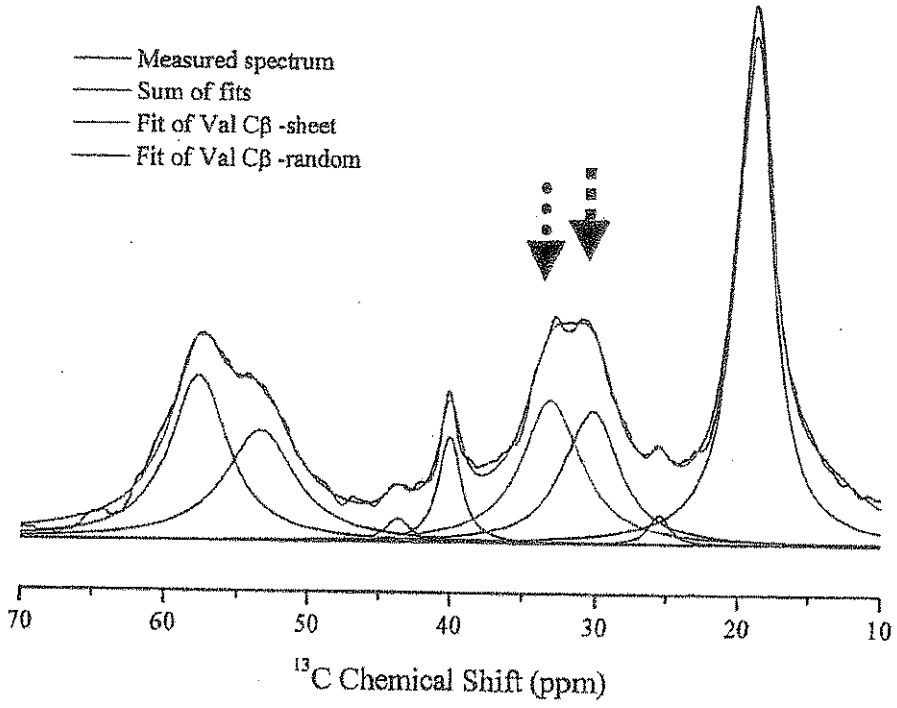
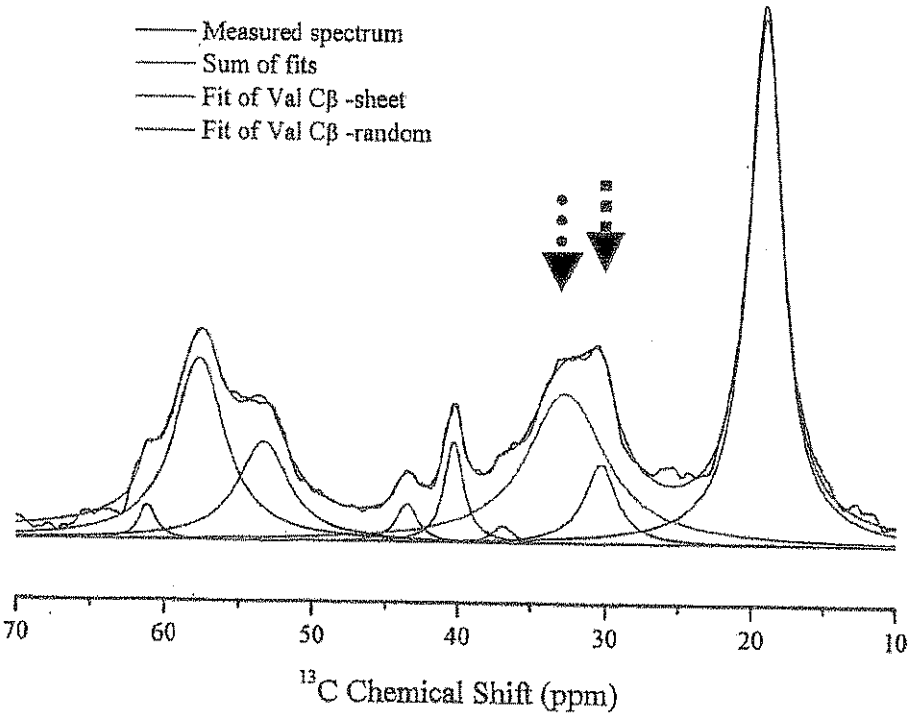


FIG. 3a



FIG 3b





Fit for β-sheet of 13C-labeled Val12

Fit for random-coiled of 13C-labeled Val12

FIG. 4