

FIG. 1

MPSSVSWGILLLAGLCCCLVPVSLA EDPQGDAAQKTDTS~~HH~~DQDHPTFNKITPNL
AEFAFSLYRQLAHQS**N**STNIFFS~~P~~VSIATAFAMLSLGTKADTHDEILEGLN**F**NLT
EIP~~E~~AQIHEGFQELLRTL~~N~~QPD~~S~~QLQLTTGNGLFLSEGLKLVDKFLEDVKKLYHS
EAFTVNFGDTEEAKKQINDYVEKGTQGKIVDLVKELDRDTVFALVNYIFFKGKWE
RPFEVKDTEEEDFHVDQVTTVKVPMMKRLGMFNIQH**C**KKLSSWVLLMKYLG**N**ATA
IFFLPDEGKLQHLENELTHDIITKFL~~E~~NEDRRSASLHLPKLSITGT~~Y~~DLKSVLGQ
LGITKVFSNGADLSGVTEEAPLKLKAVHKAVLTIDEKGTEAAGAM**F**LEAIP**MSI**
PPEVKFNKPFVFLMIEQNTKSPLFMGKVVNPTQK

1-24 signal peptide

E25-K418 mature peptide

N70 glycosylation

N107 glycosylation

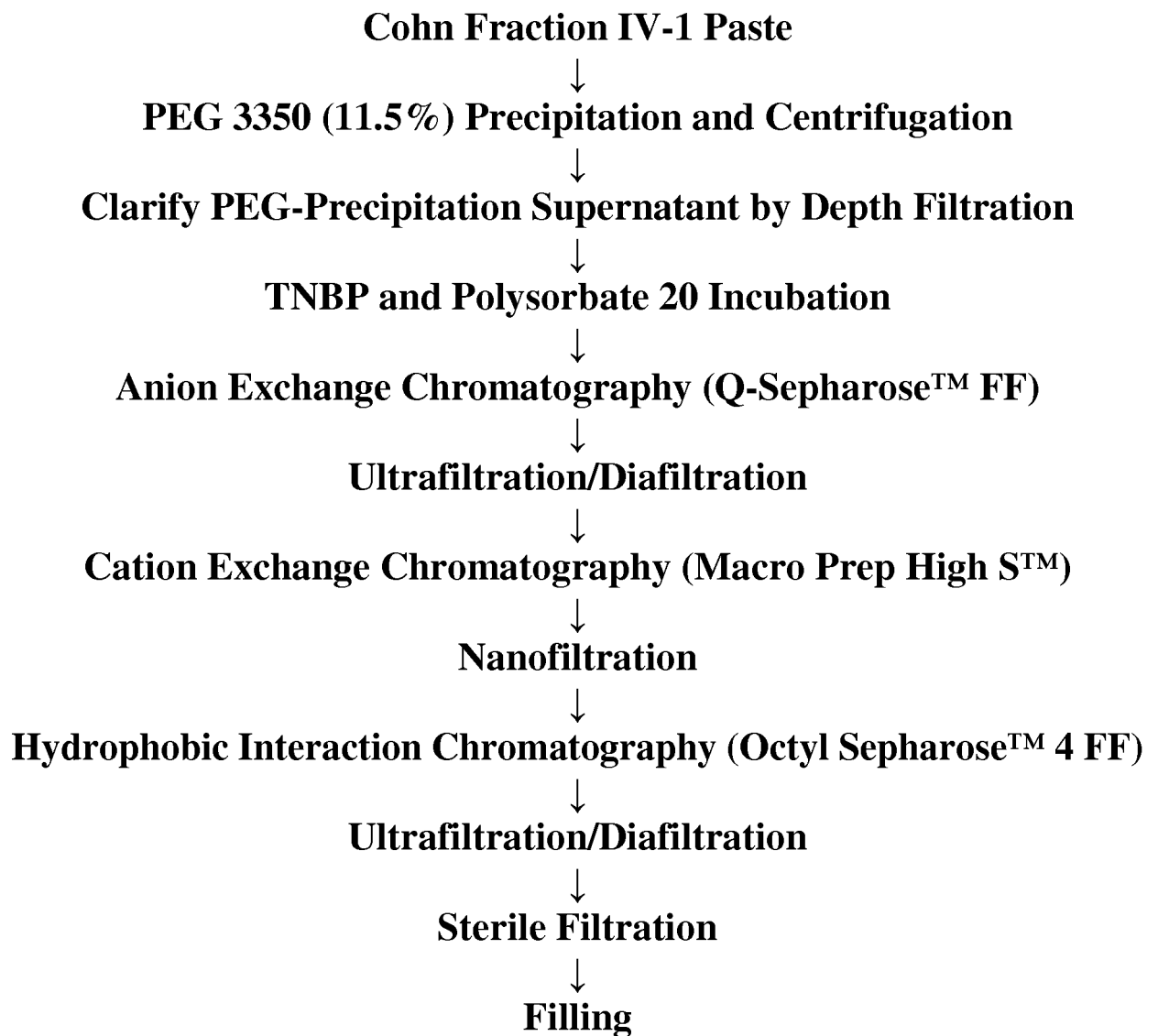
N271 glycosylation

C256 S-nitrosylation

G368-K392 reactive center loop

F376 proteolytic cleavage site

M382-S383 reactive bond

FIG. 2**Flow Diagram of a Method for Preparing A1PI**

3/3

FIG. 3