

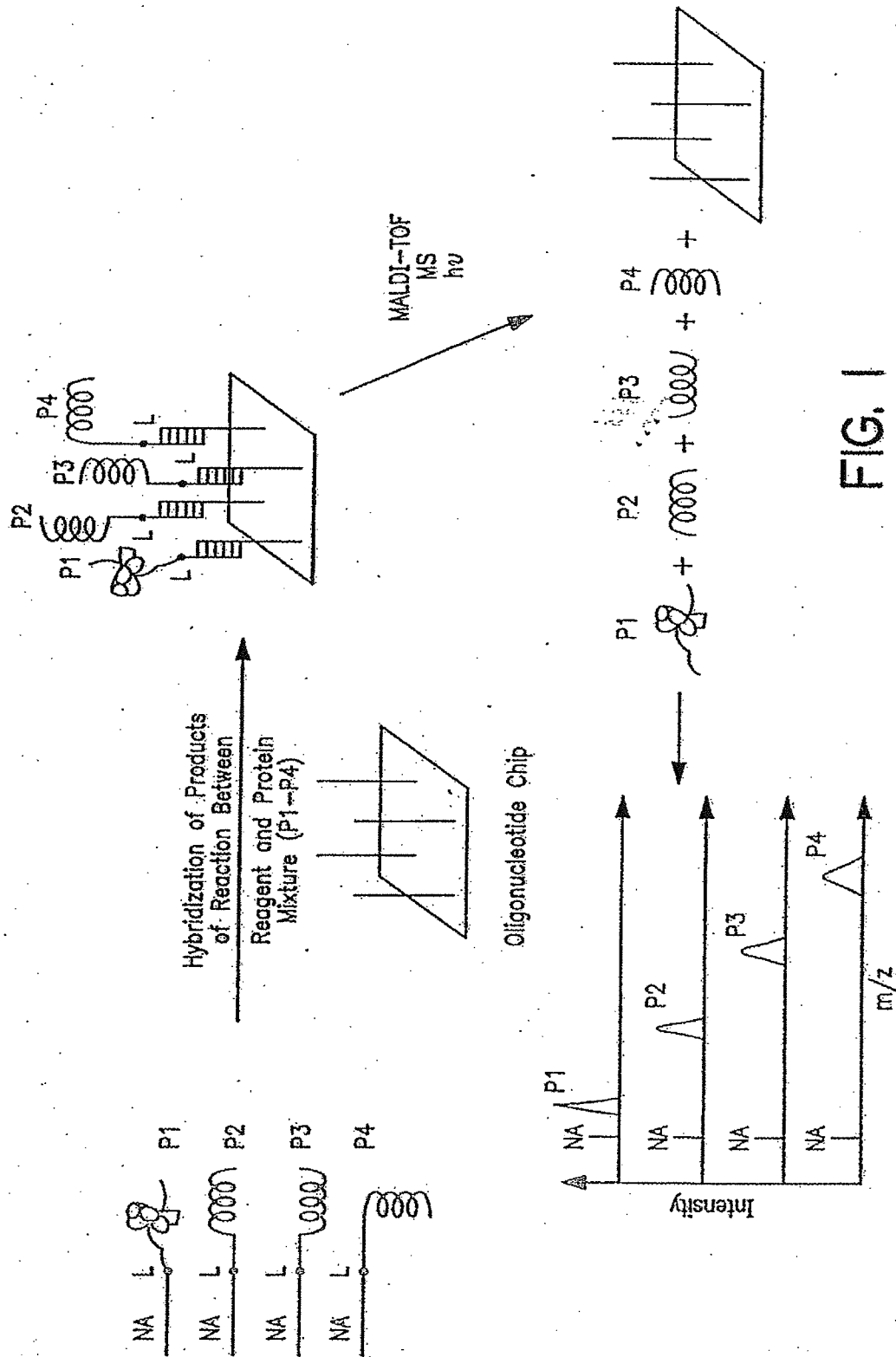


FIG. 1

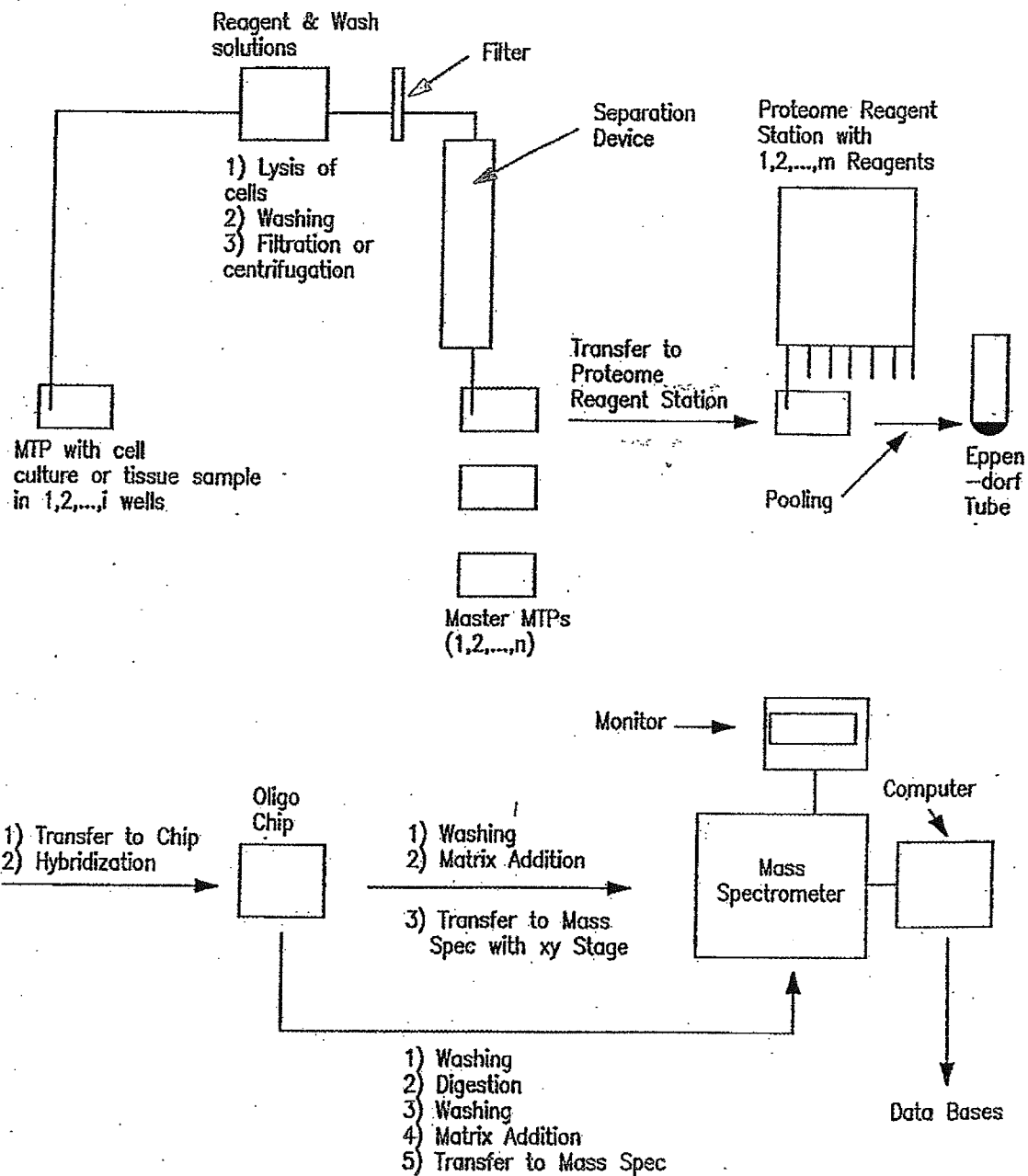


FIG. 2

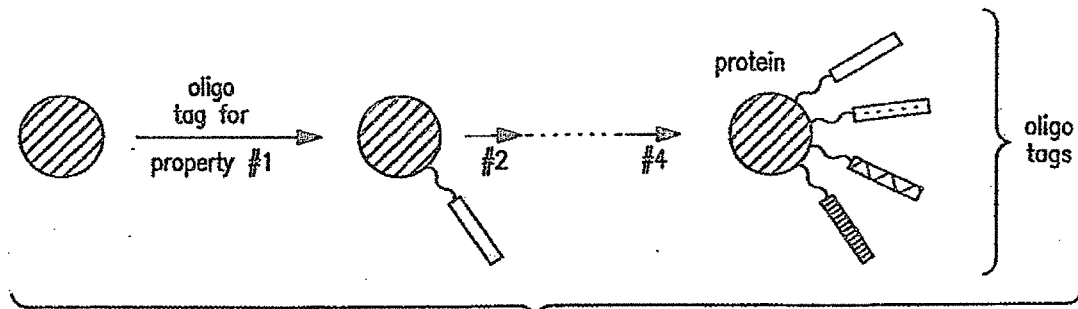


FIG. 3

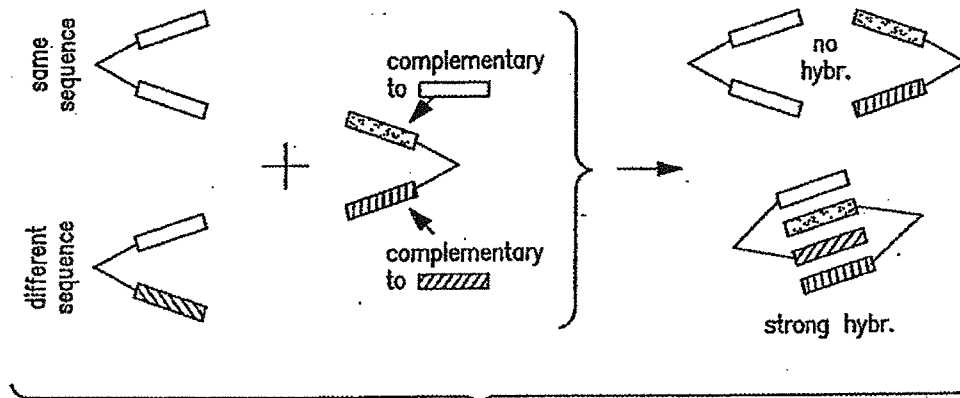


FIG. 4

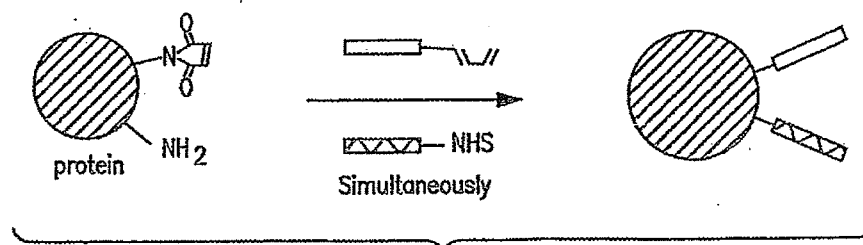


FIG. 5

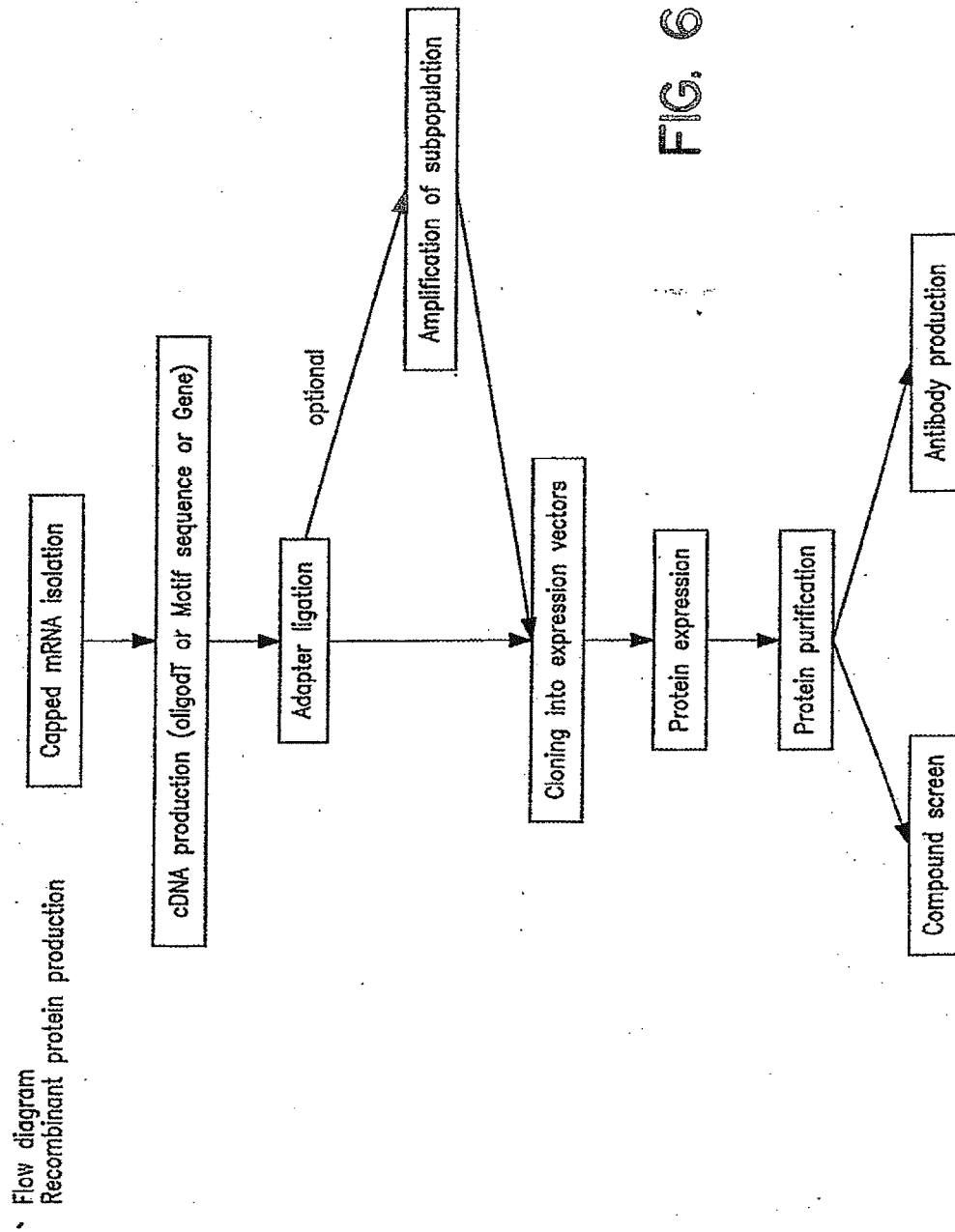


FIG. 6



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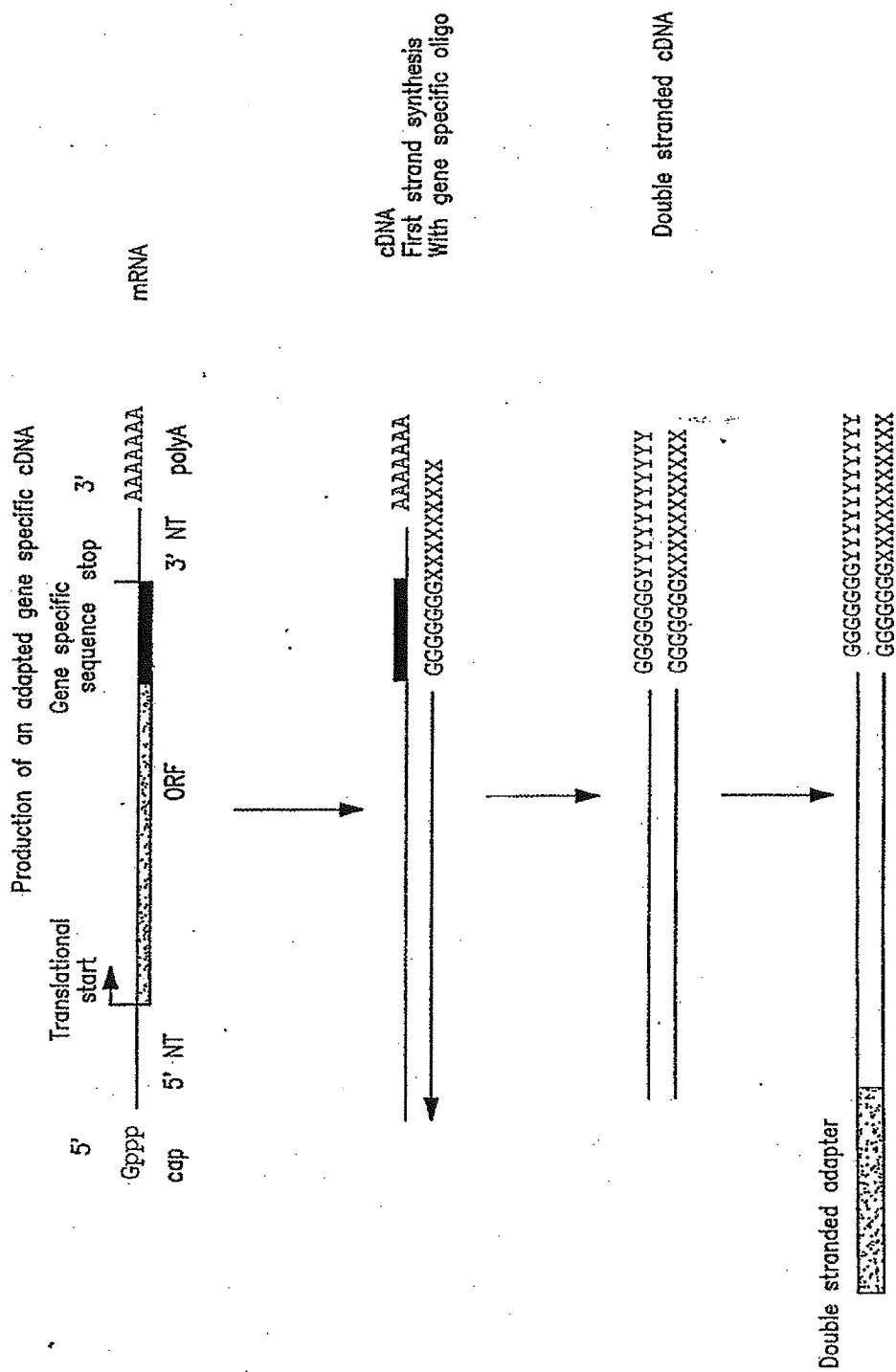


FIG. 9

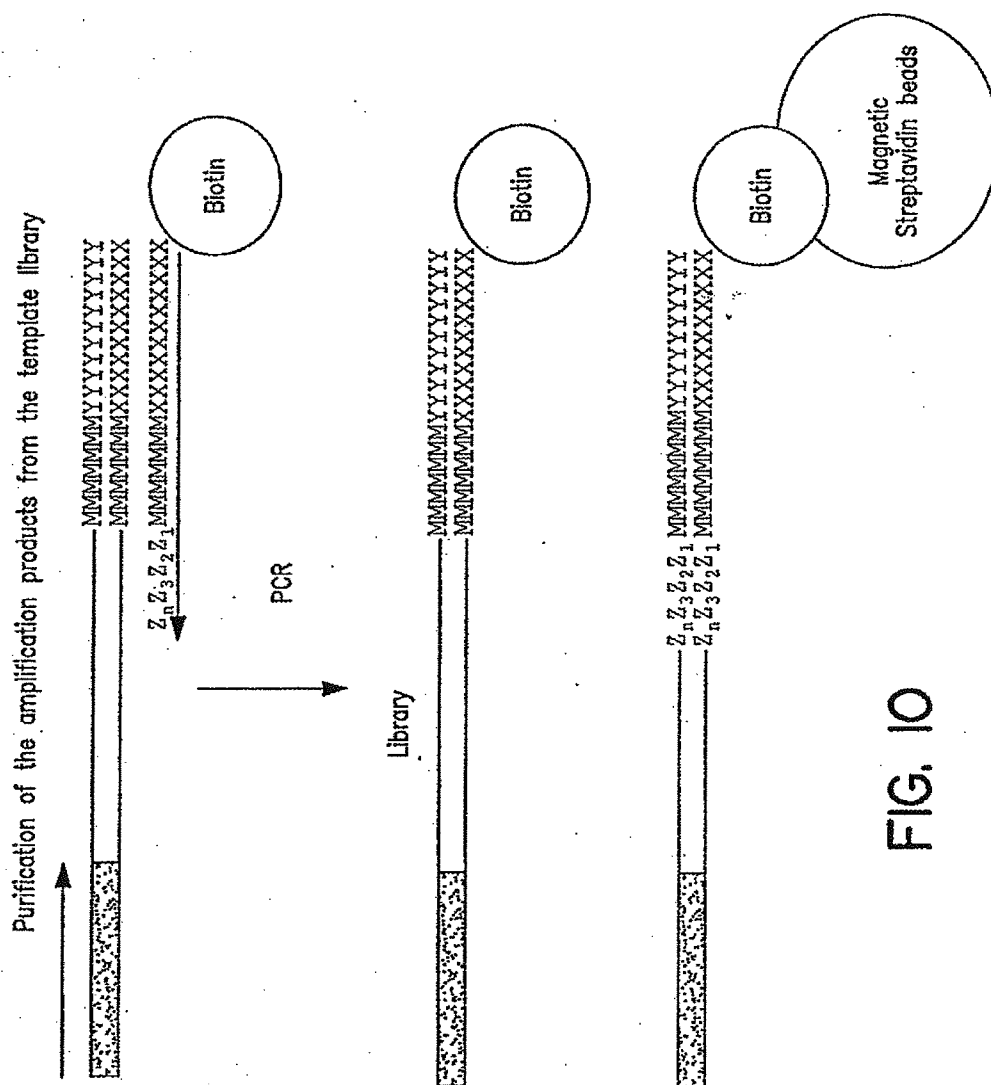
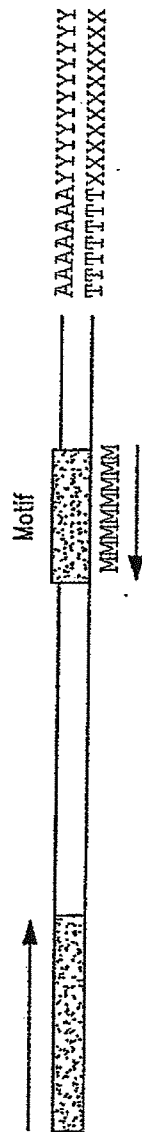
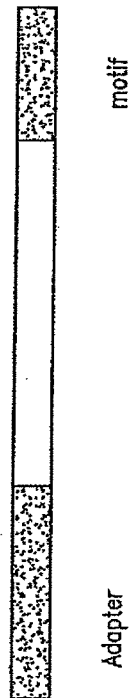


FIG. 10

Adapted oligo dT primed cDNA library as universal template for the
amplification of gene subpopulations



PCR amplification



Amplification of all genes with the same functional motif

FIG. II

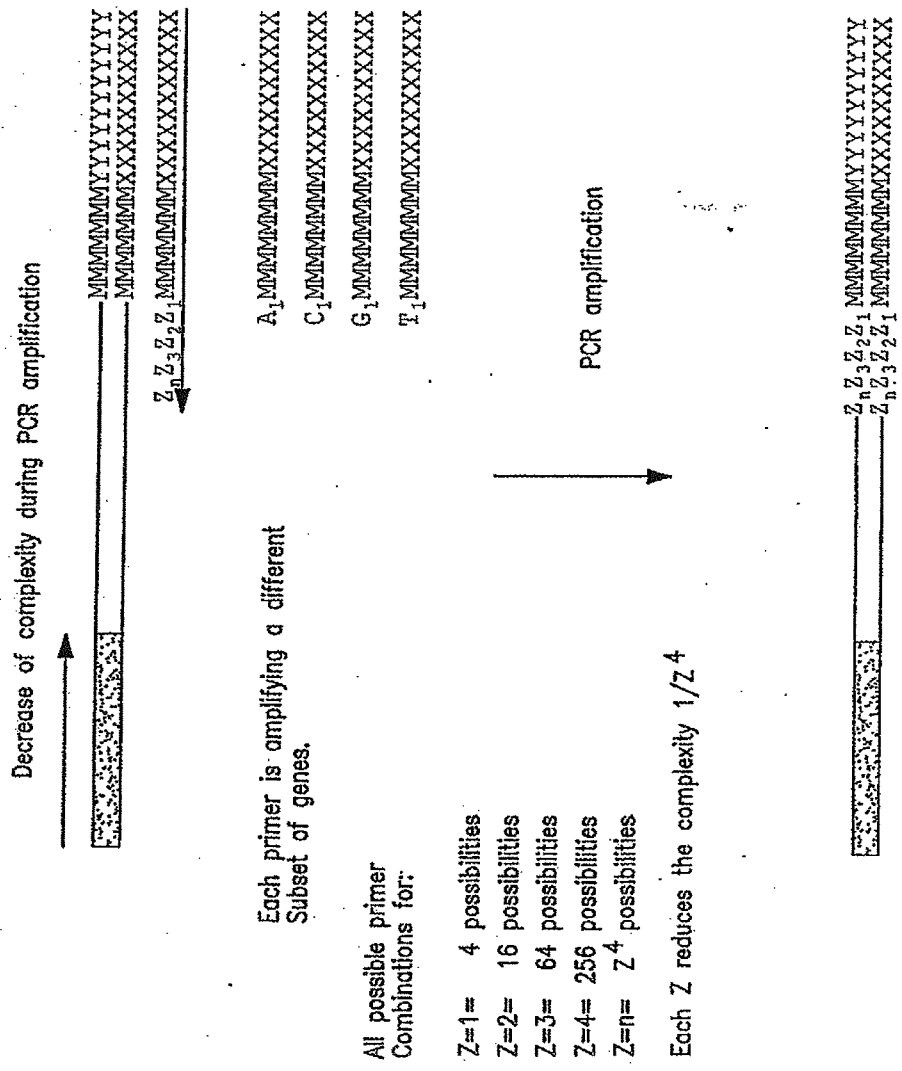
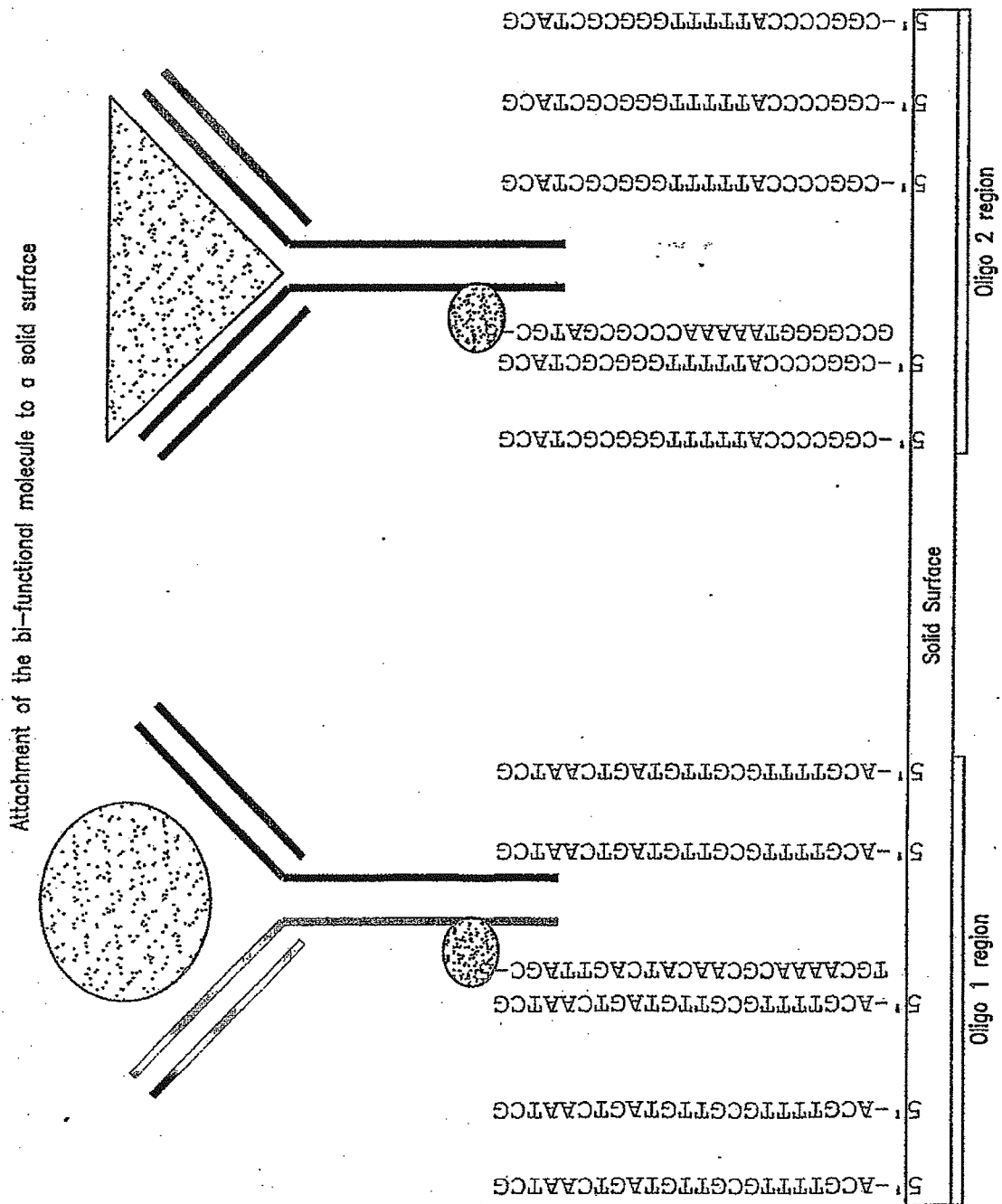


FIG. 12

FIG. 13



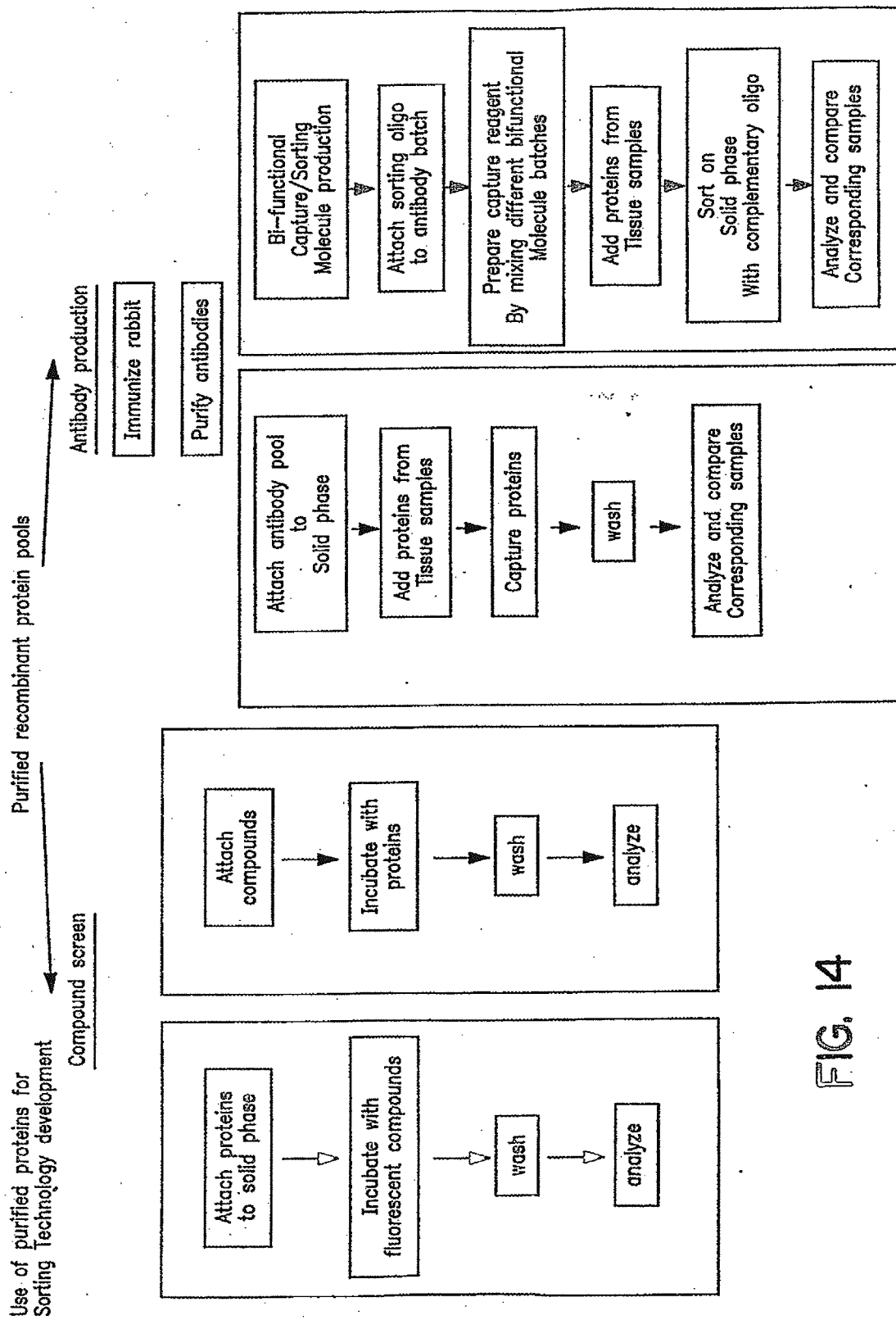


FIG. 14

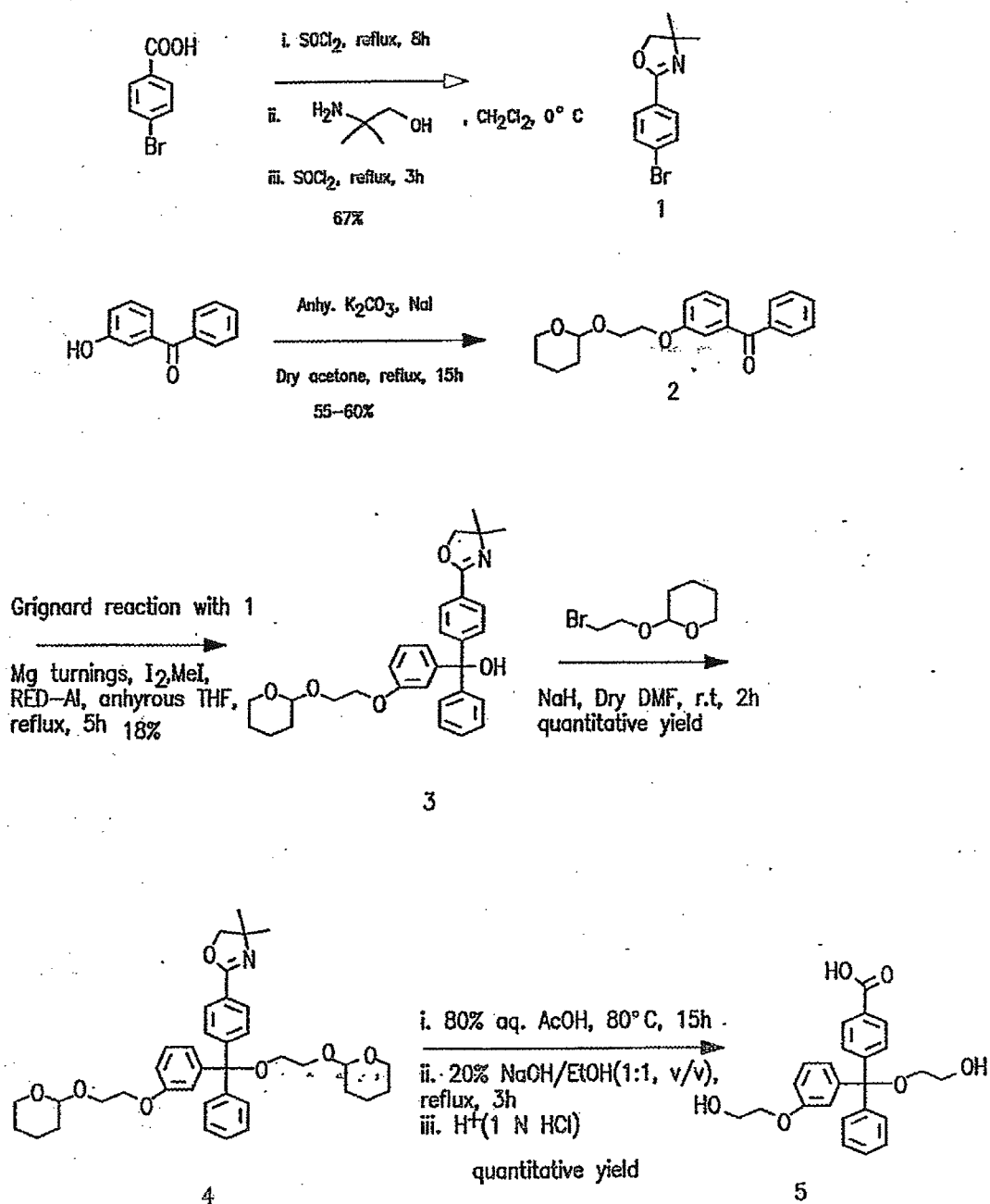


FIG. 15a

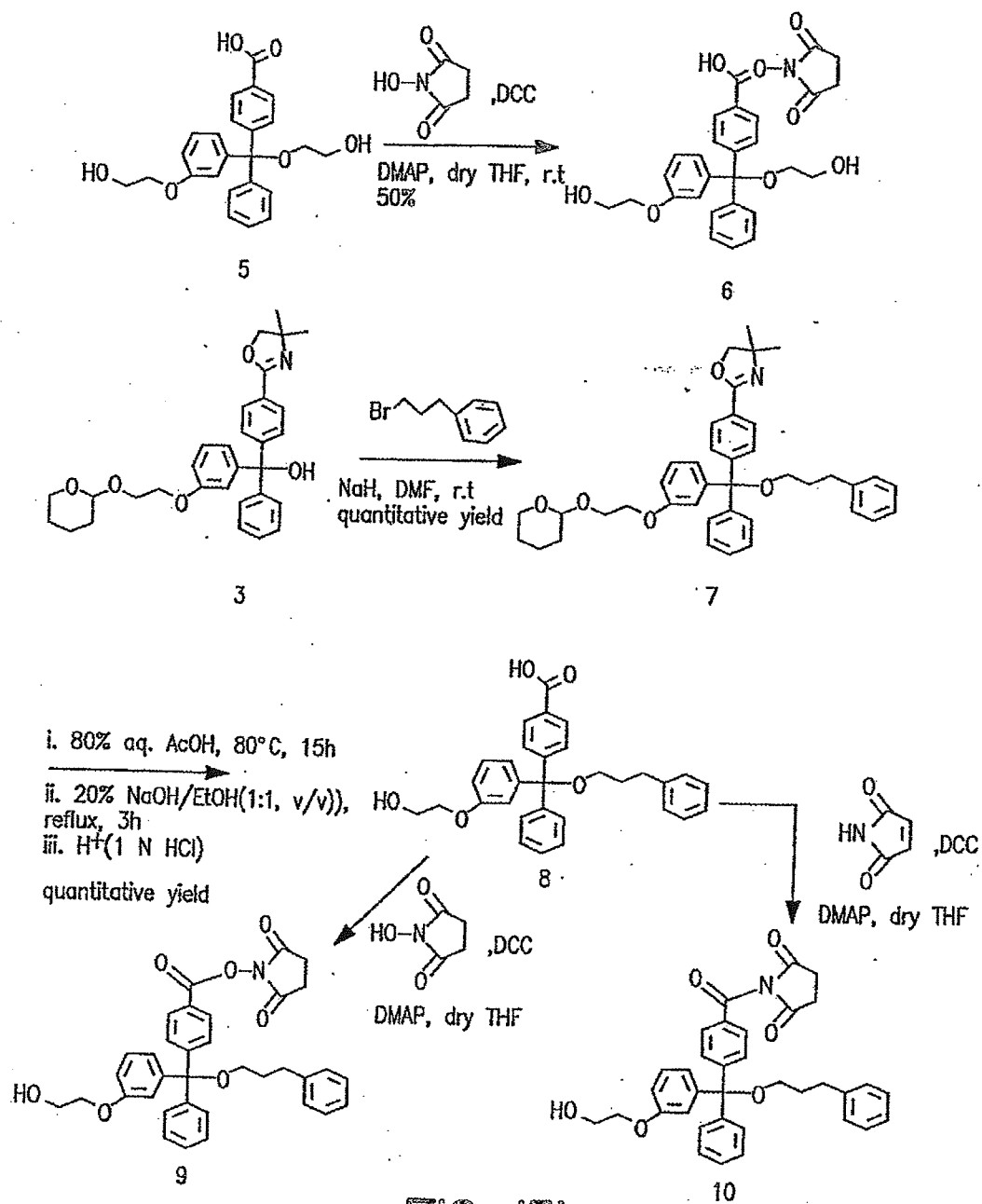


FIG. 15b

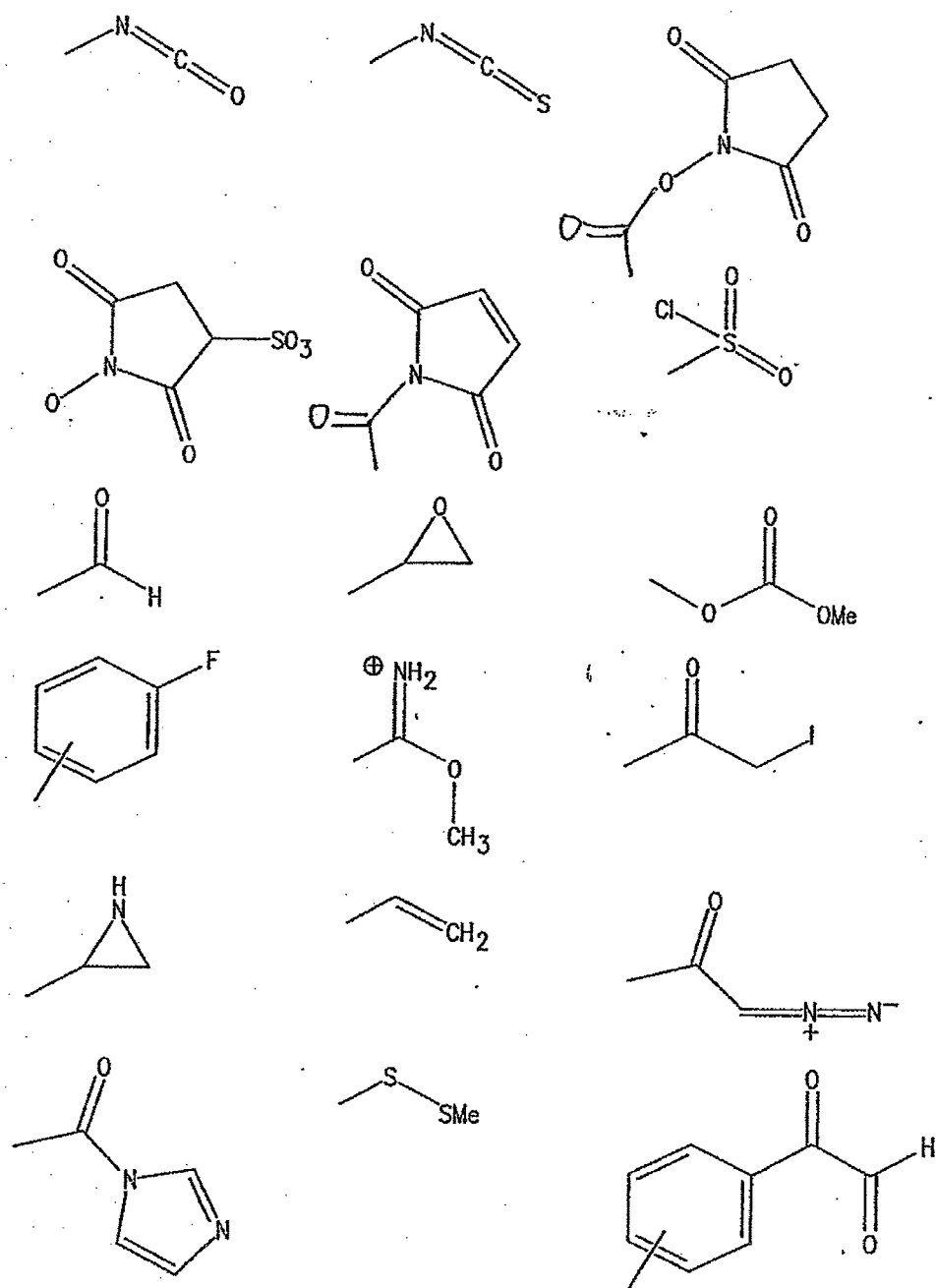


FIG. 16a

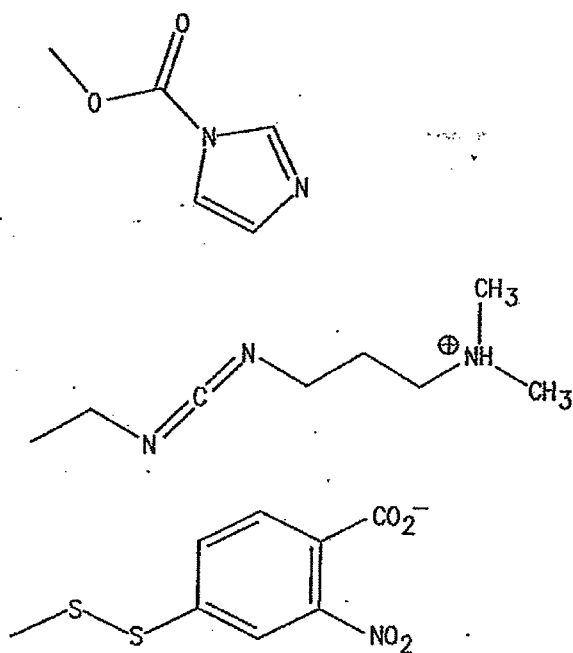


FIG. 16b

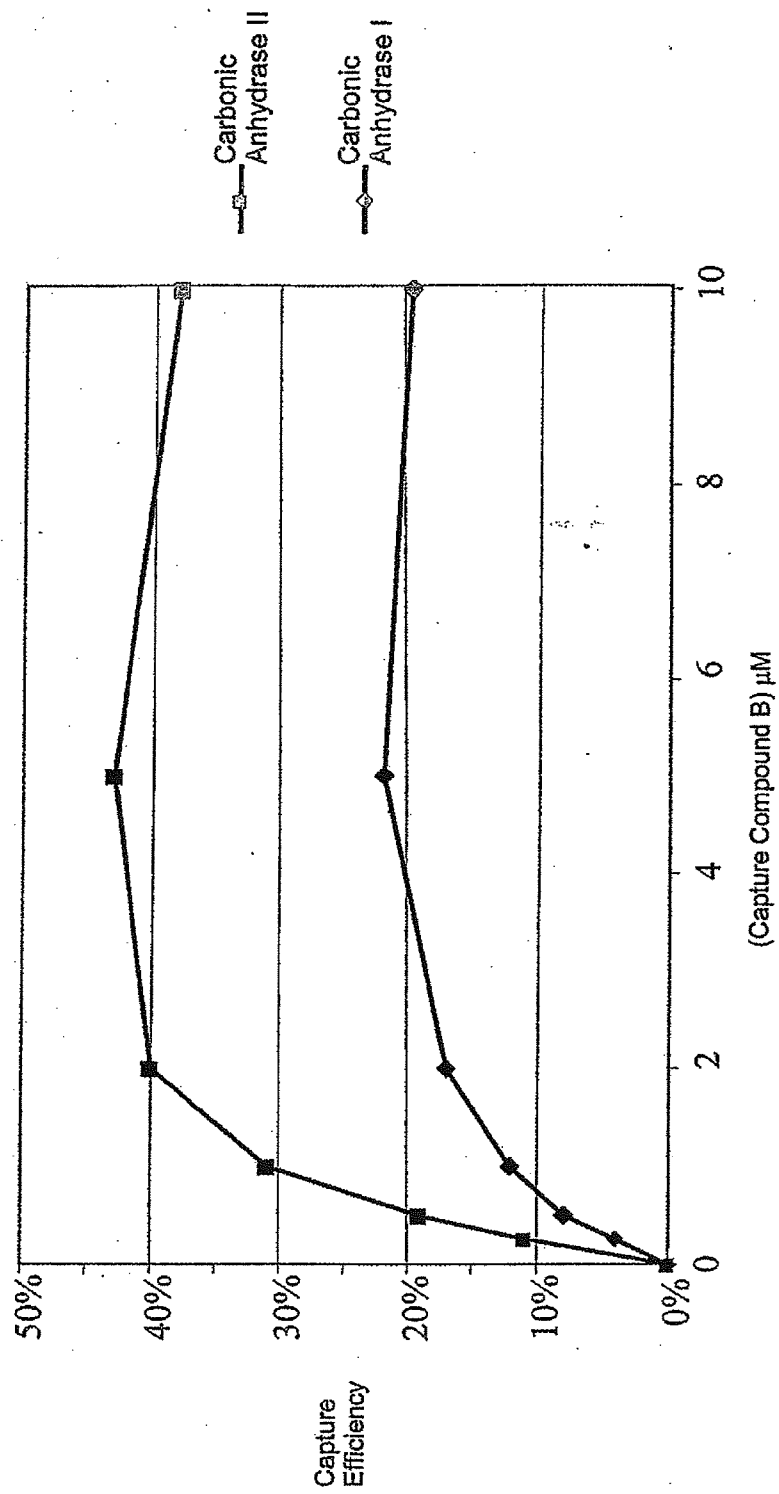


FIG. 32

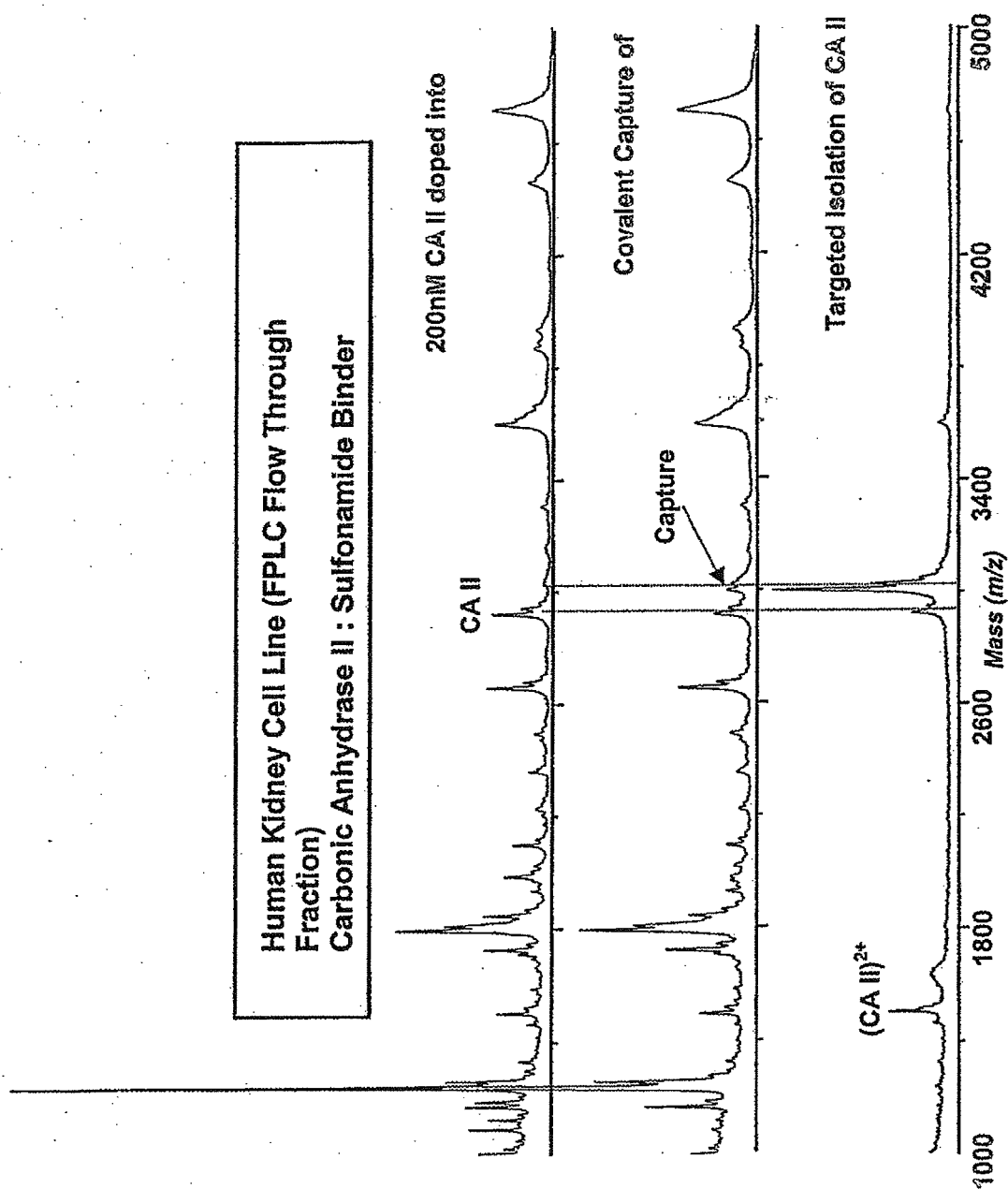


FIG. 33

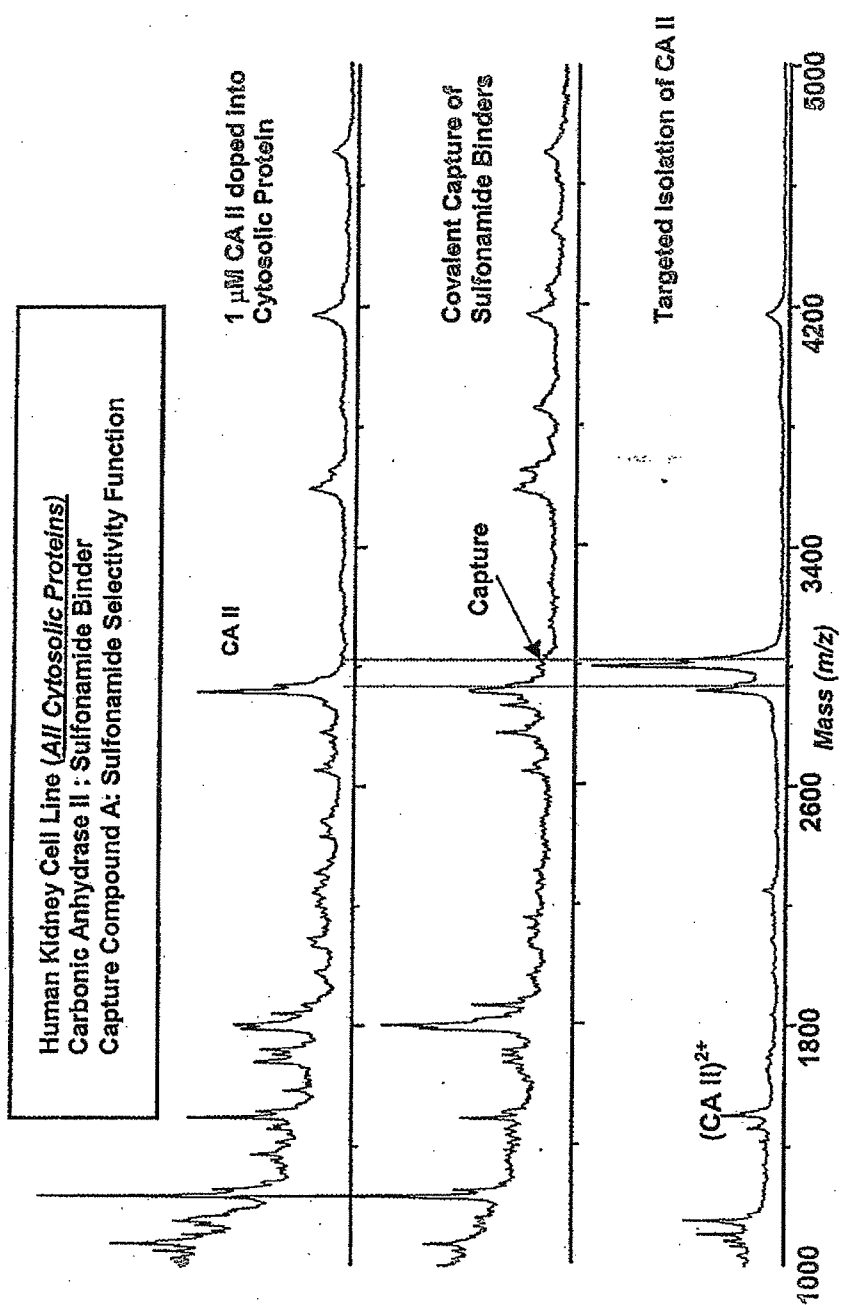


FIG. 34

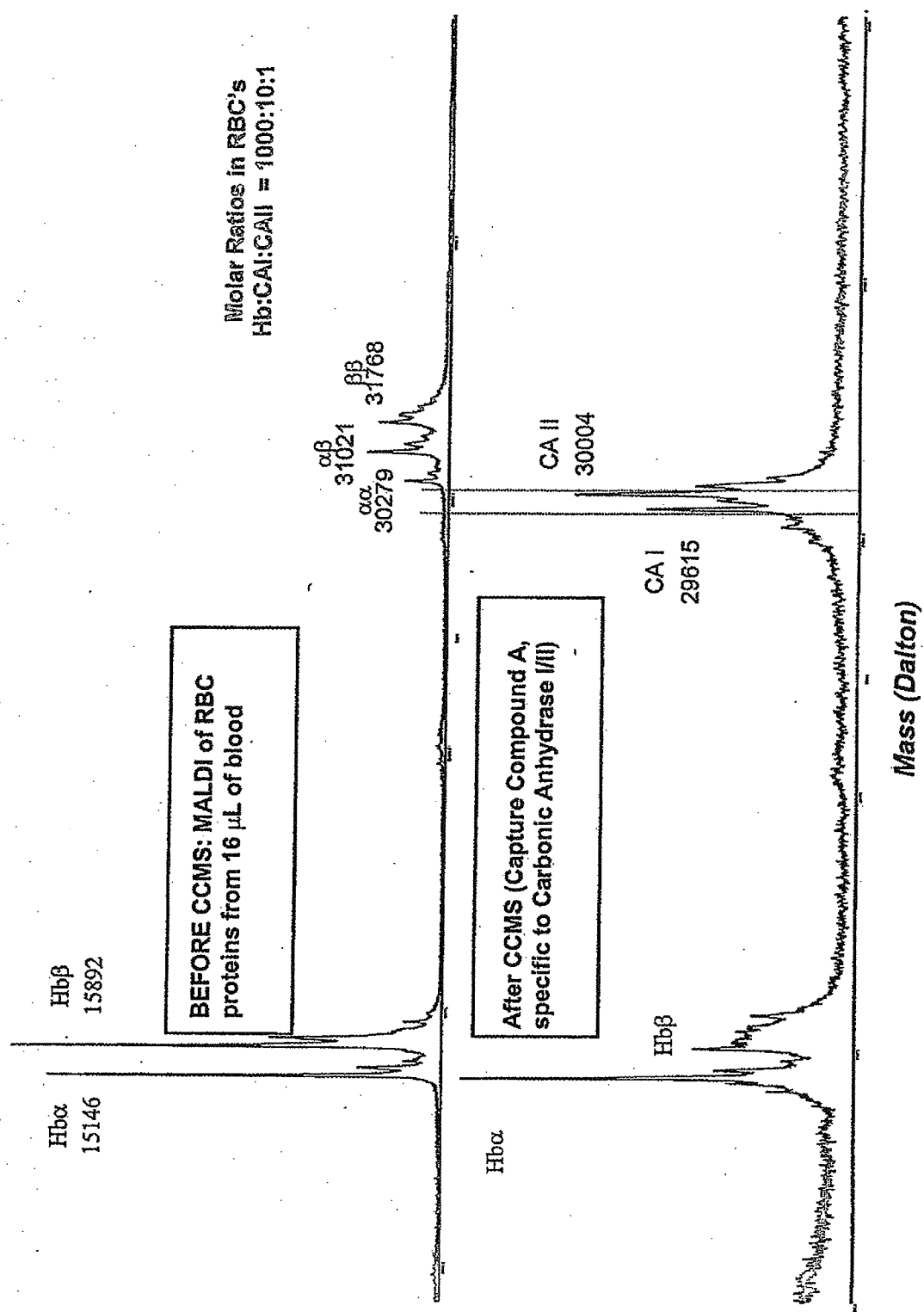


FIG. 35

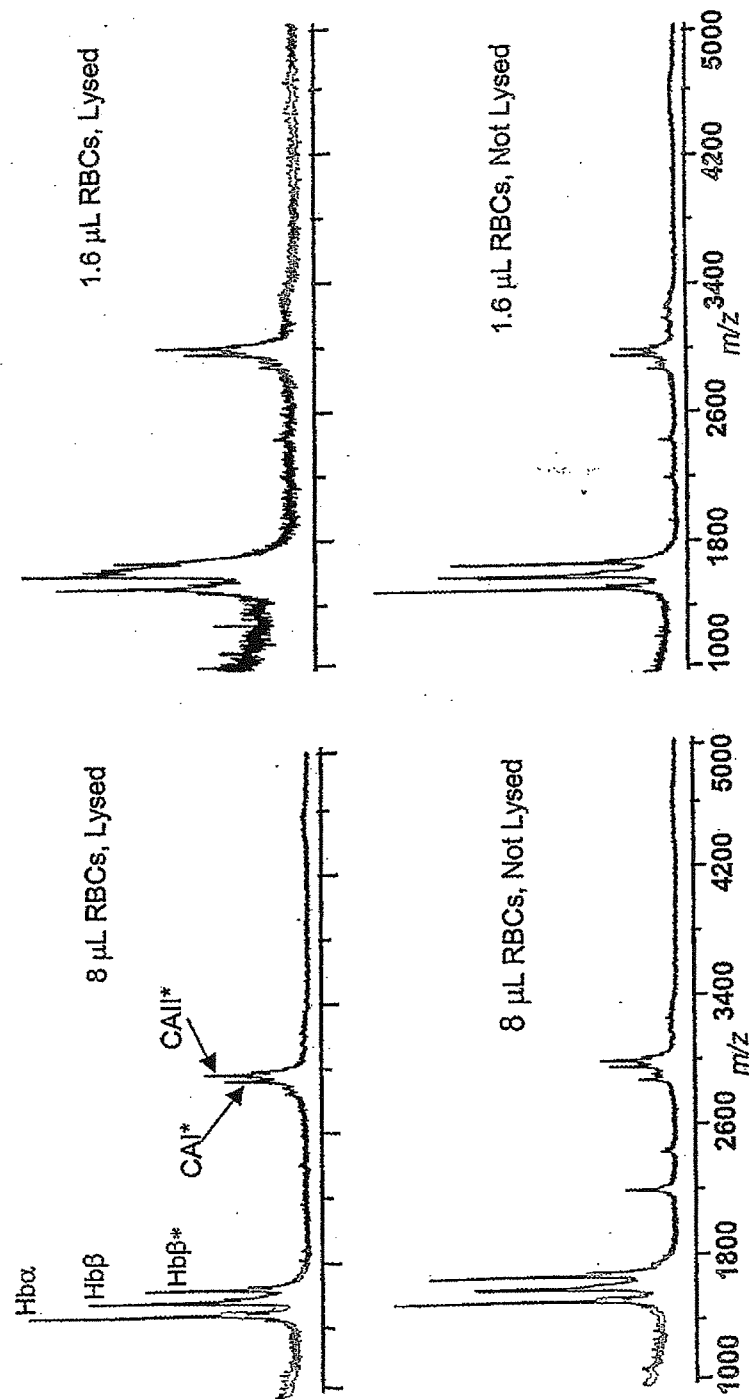


FIG. 36

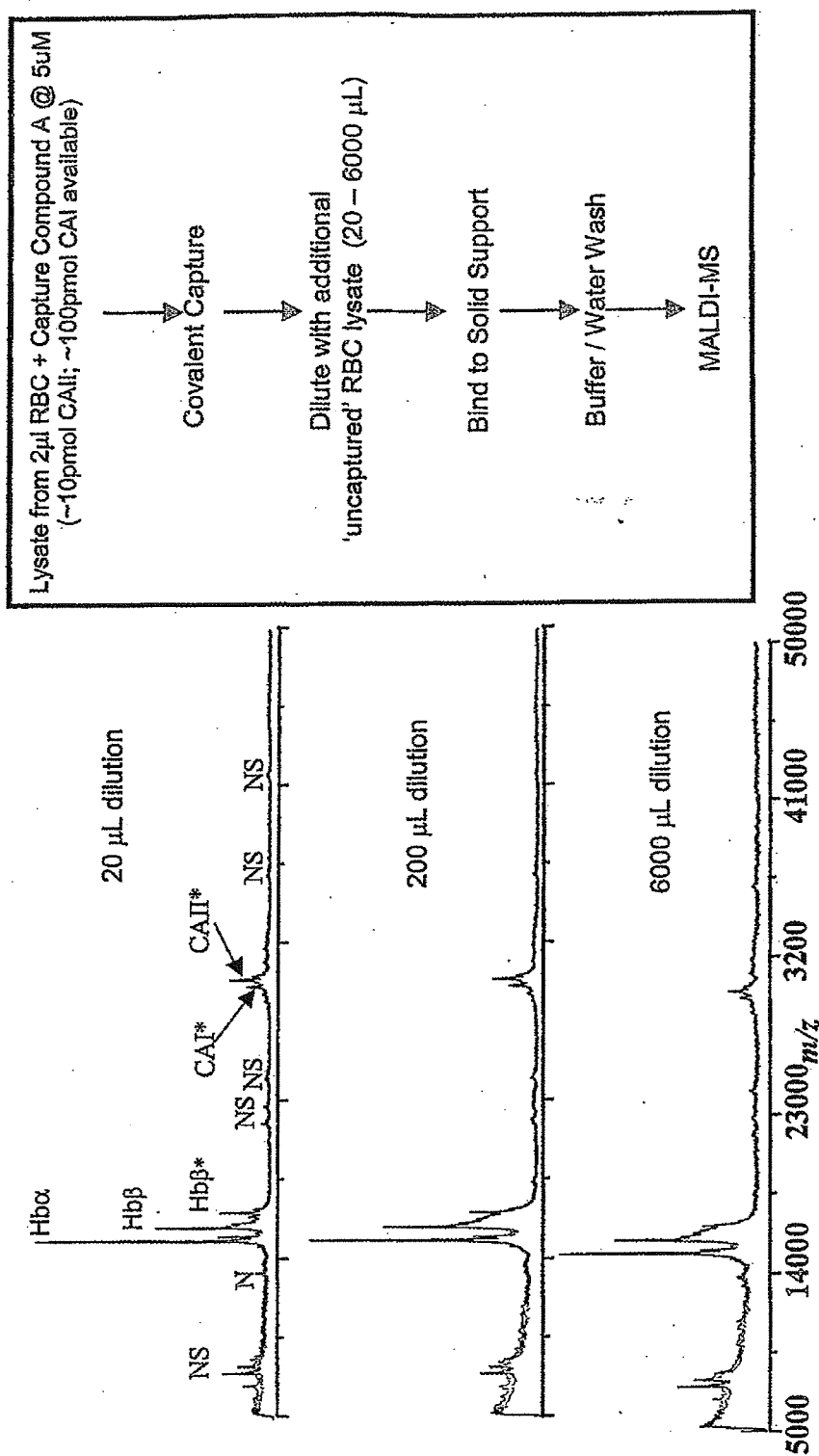


FIG. 37

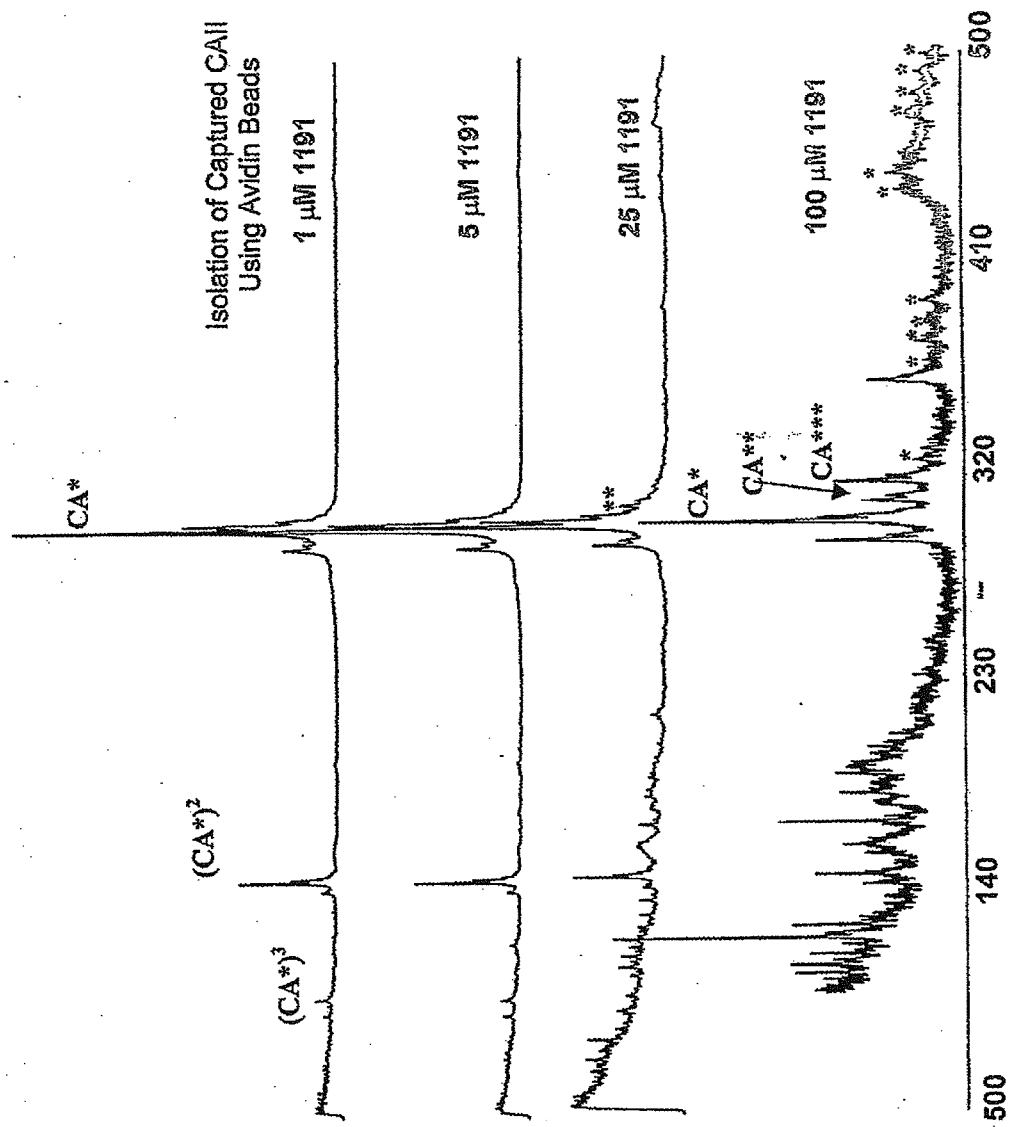


FIG. 38

Arachidonylethanolamide/(all Z)-N-(2-Hydroxyethyl)-5,8,11,14-eicosatetraenamide,

N-(2-Hydroxyethyl)-[5,6,8,9,11,12,14,15-H]-5Z,8Z,11Z,14Z-eicosatetraenamide,

2-AG/(5Z,8Z,11Z,14Z)-5,8,11,14-Eicosatetraenoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester,

(-)-cis-3-[2-Hydroxy-4-(1,1-dimethylheptyl)phenyl]-trans-4-(3-hydroxypropyl)cyclohexanol,

Docosatetraenylethanolamide/N-(2-Hydroxyethyl)-7Z,10Z,13Z,16Z-docosatetraenamide,

(6aR)-trans-3-(1,1-Dimethylheptyl)-6a,7,10,10a-tetrahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-9-methanol,

[6aR-(6a α ,9 α ,10a β)]-3-(1,1-Dimethylheptyl)-6a,7,8,9,10,10a-hexahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-[7,8-H]-9-methanol,

(2-Methyl-1-propyl-1H-indol-3-yl)-1-naphthalenylmethanone,

(6aR,10aR)-3-(1,1-dimethylbutyl)-6a,7,10,10a-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran,

Methyl arachidonyl fluorophosphonate/(5Z,8Z,11Z,14Z)-5,8,11,14-eicosatetraenyl-methyl ester phosphonofluoridic acid,

[R-(all-Z)]-N-(2-Hydroxy-1-methylethyl)-5,8,11,14-eicosatetraenamide, 2-[(5Z,8Z,11Z,14Z)-Eicosatetraenyloxy]-1,3-propanediol,

N-(bis-3-chloro-4-hydroxybenzyl)-5Z,8Z,11Z,14Z-eicosatetraenamide,

(9Z)-N-(2-Hydroxyethyl)-9-octadecenamide,

N-(2-Hydroxyethyl)hexadecanamide,

(5Z,8Z,11Z,14Z)-N-(4-Hydroxy-2-methylphenyl)-5,8,11,14-eicosatetraenamide,

(R)-(+)-[2,3-Dihydro-5-methyl-3-(4-morpholinylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-naphthalenylmethanone

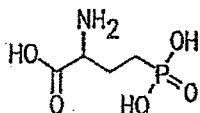


FIG. 17b

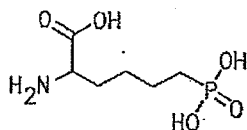
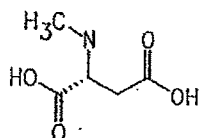
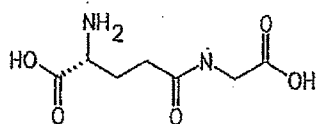
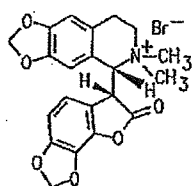
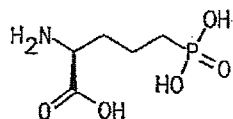
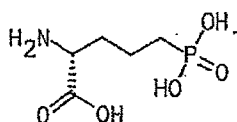
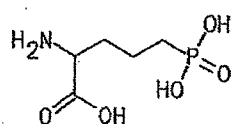
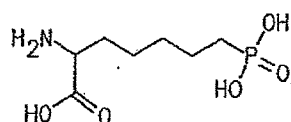
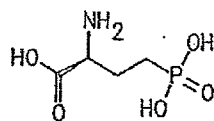
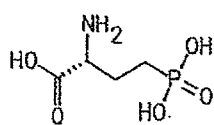


FIG. 17c

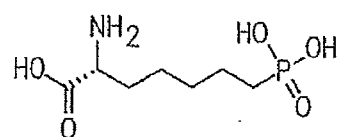
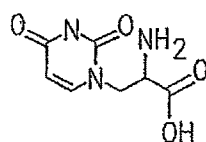
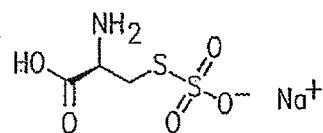
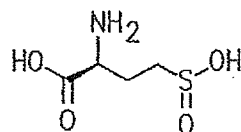
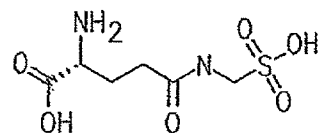
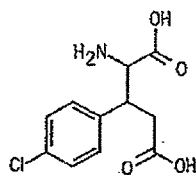
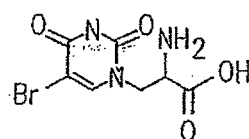
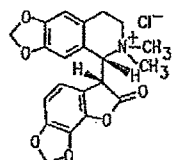
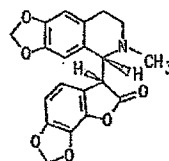
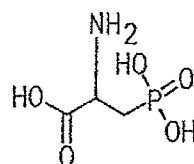


FIG. 17d

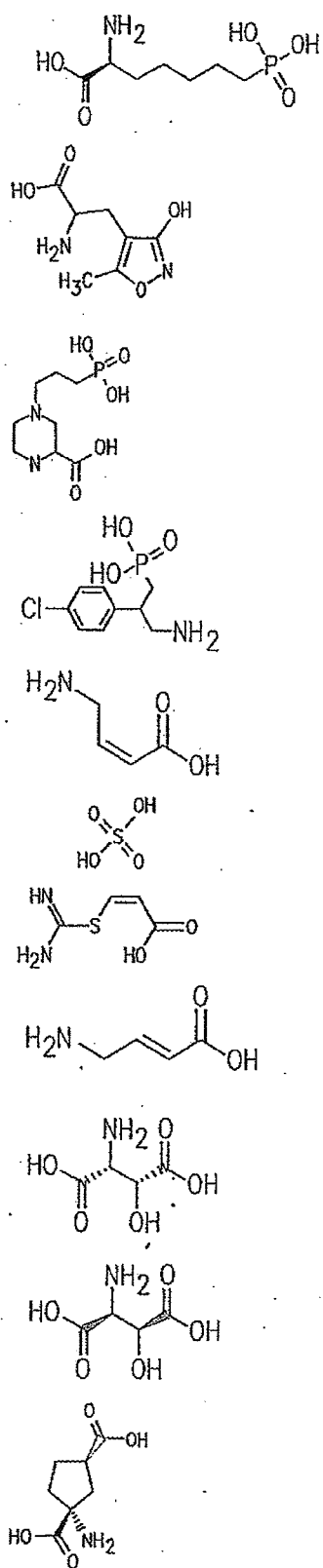


FIG. 17e

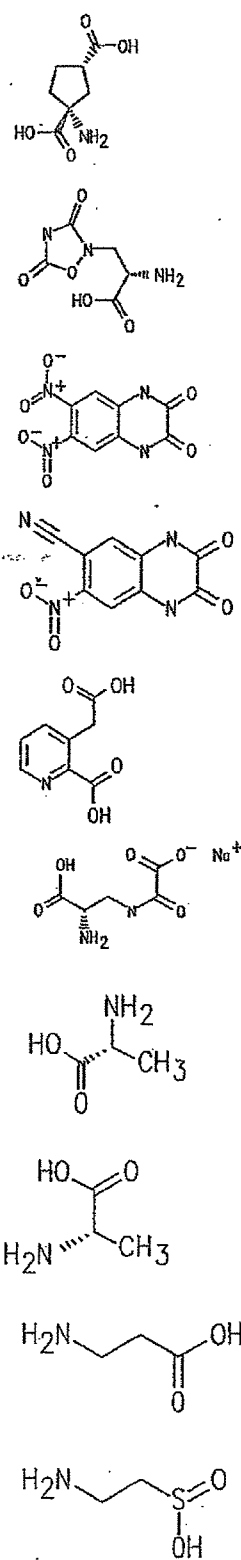


FIG. 17f

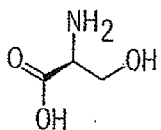
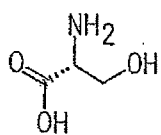
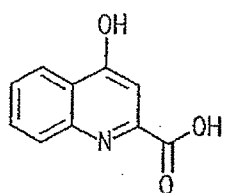
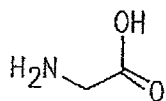
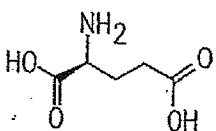
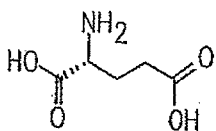
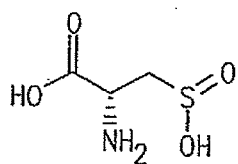
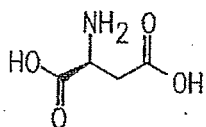
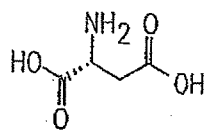
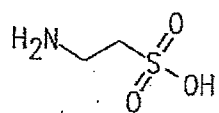


FIG. 17g

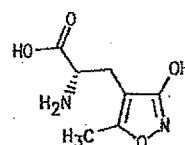
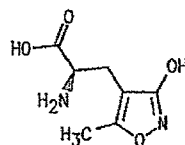
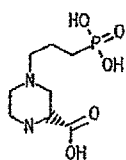
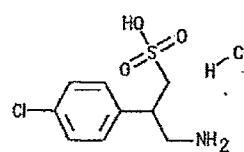
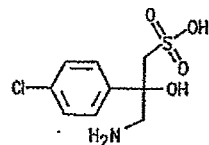
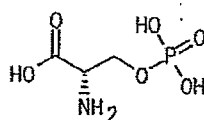
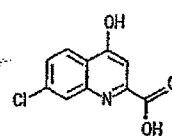
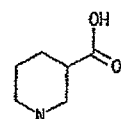
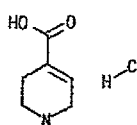
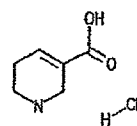


FIG. 17h

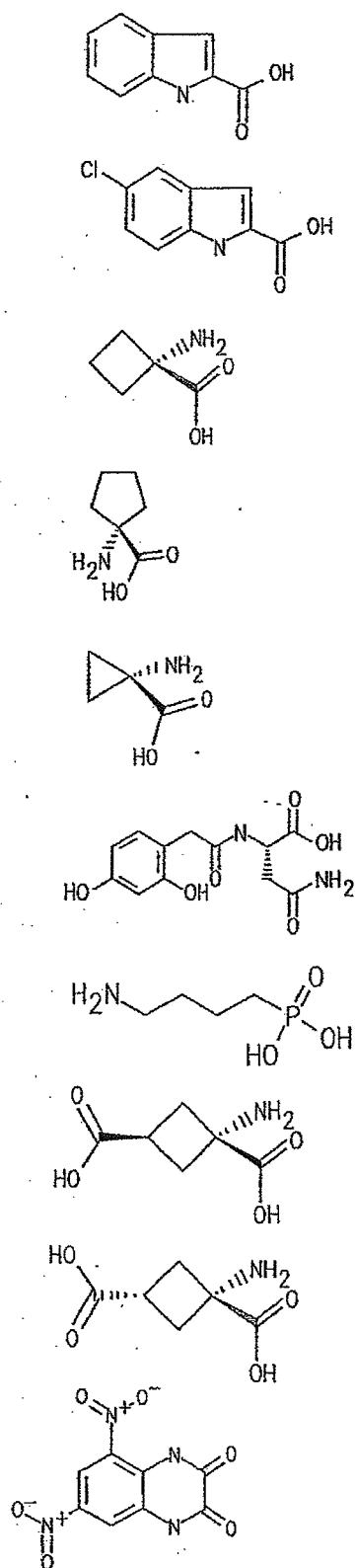


FIG. 17i

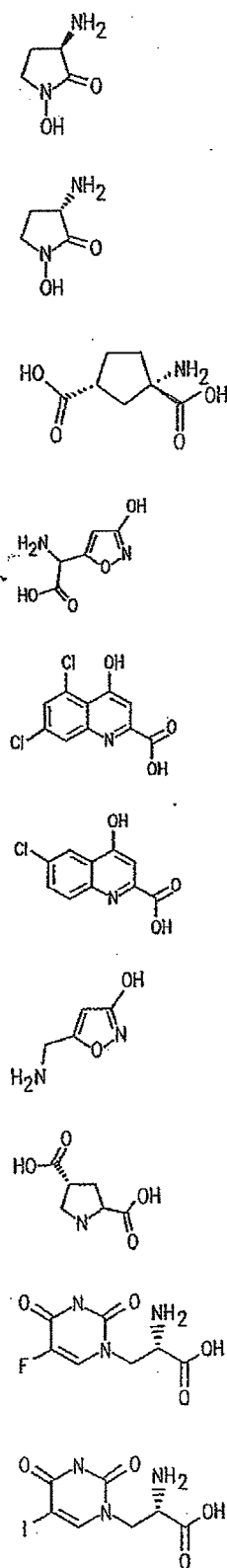


FIG. 17j

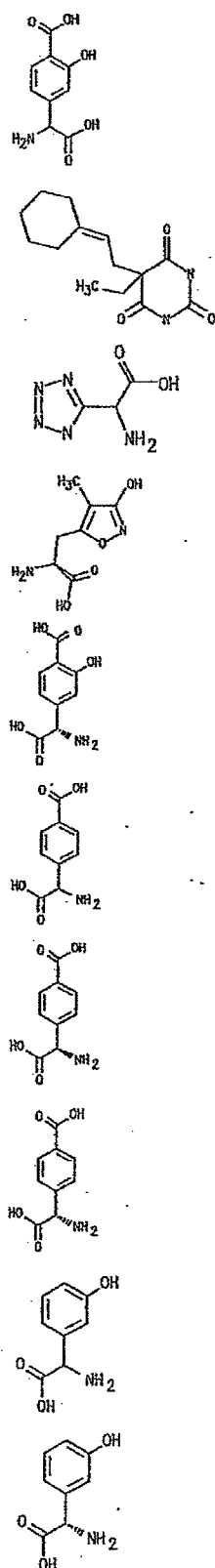


FIG. 17k

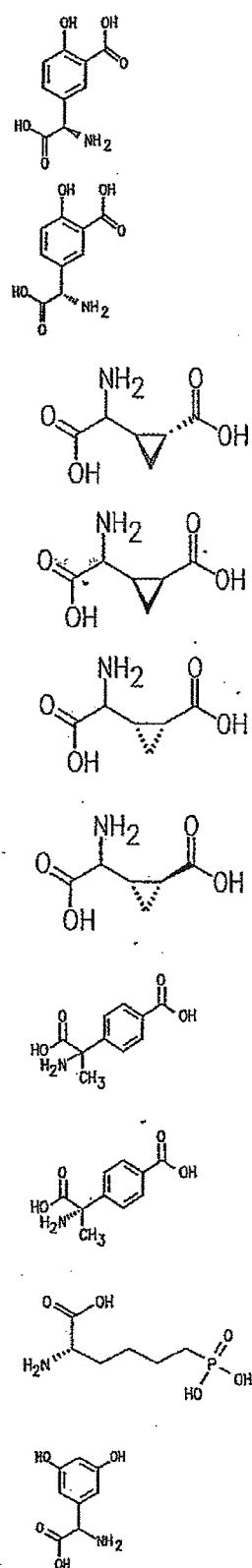


FIG. 17l

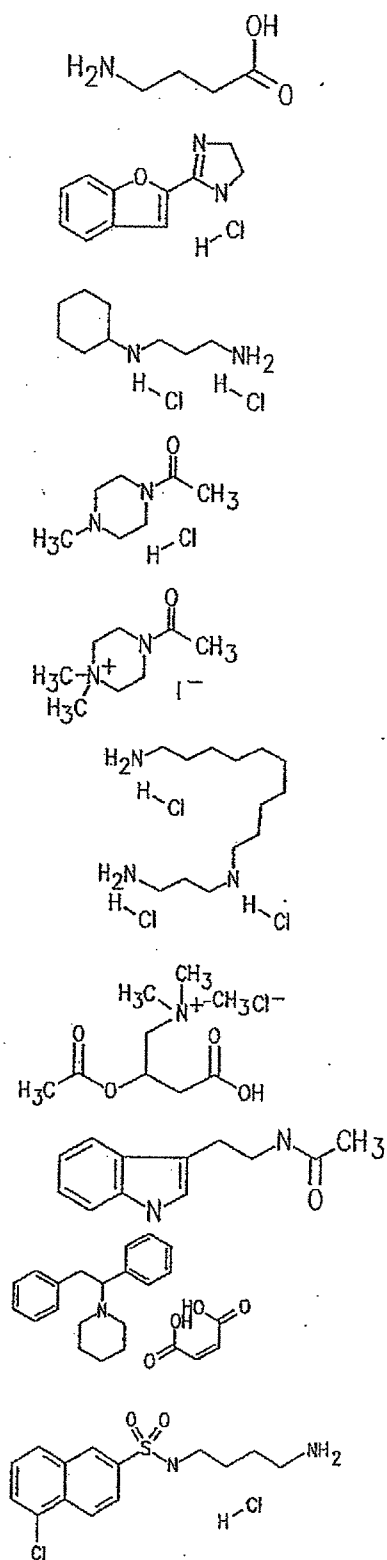


FIG. 17m

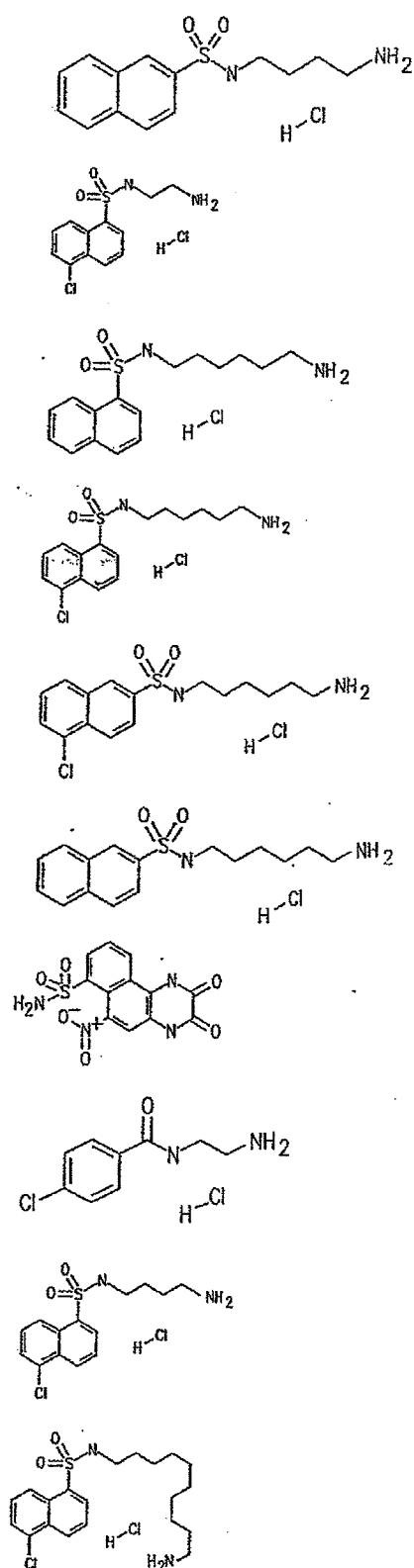


FIG. 17n

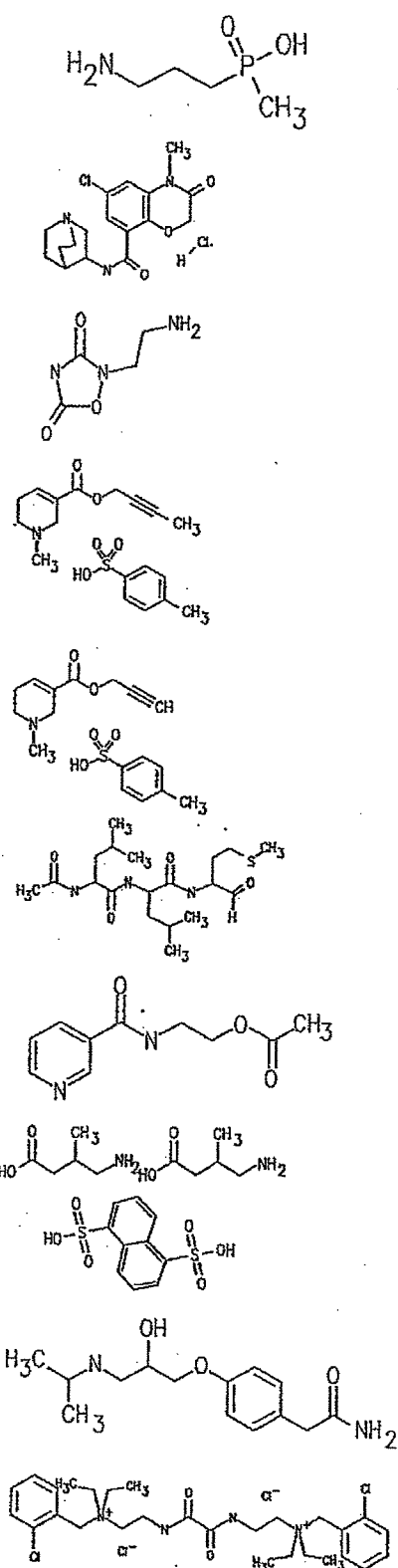


FIG. 17o

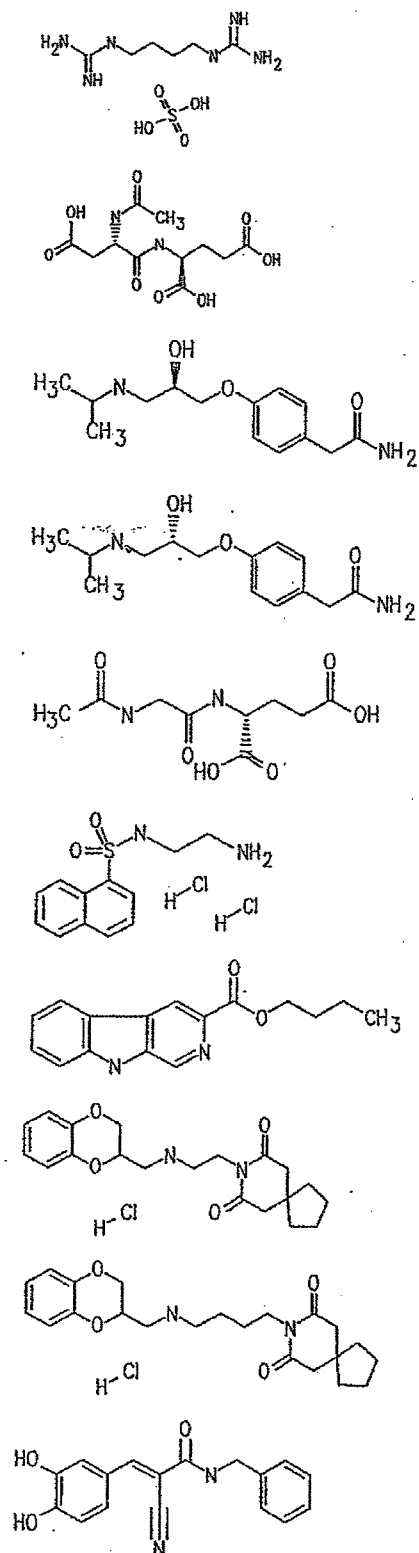


FIG. 17p

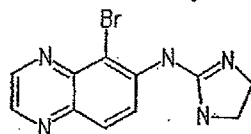
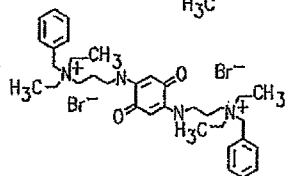
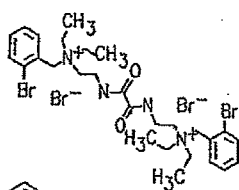
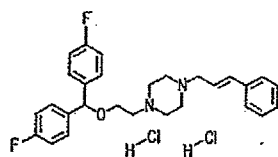
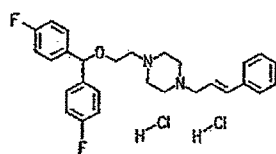
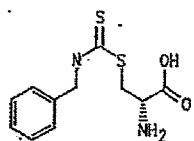
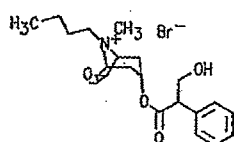
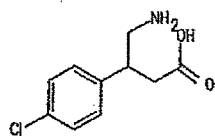
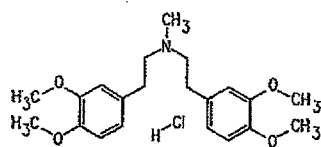
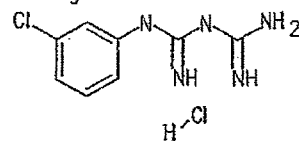
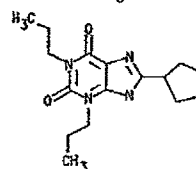
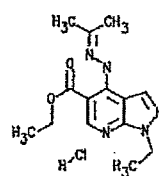
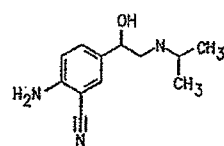
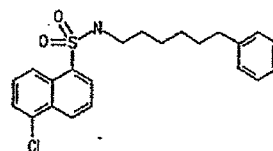
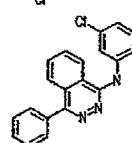
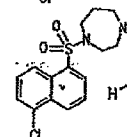
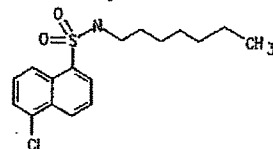
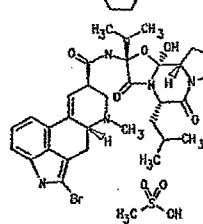
O=C1C(=O)C(=O)C(=O)C1

FIG. 17r

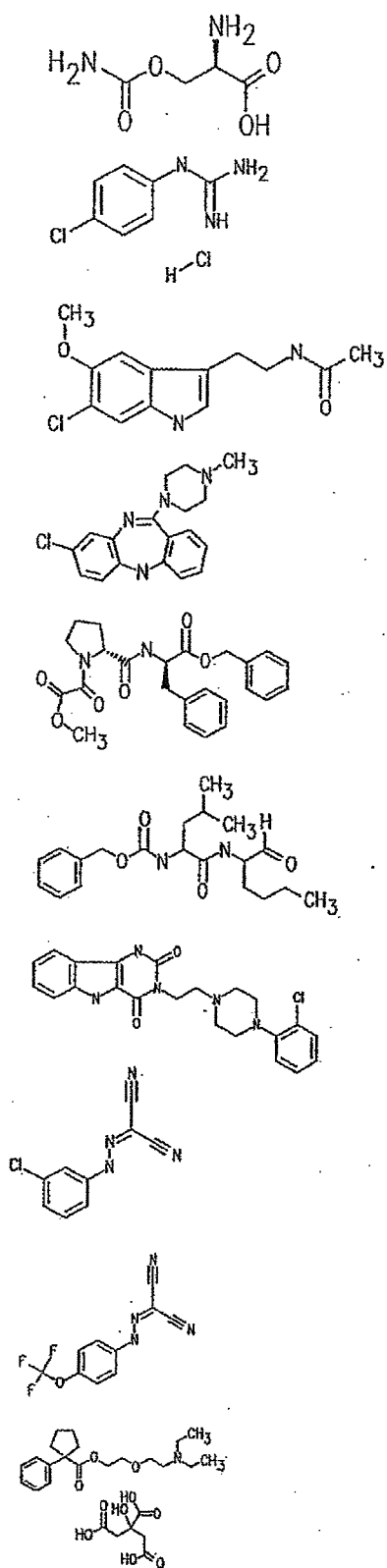


FIG. 17s

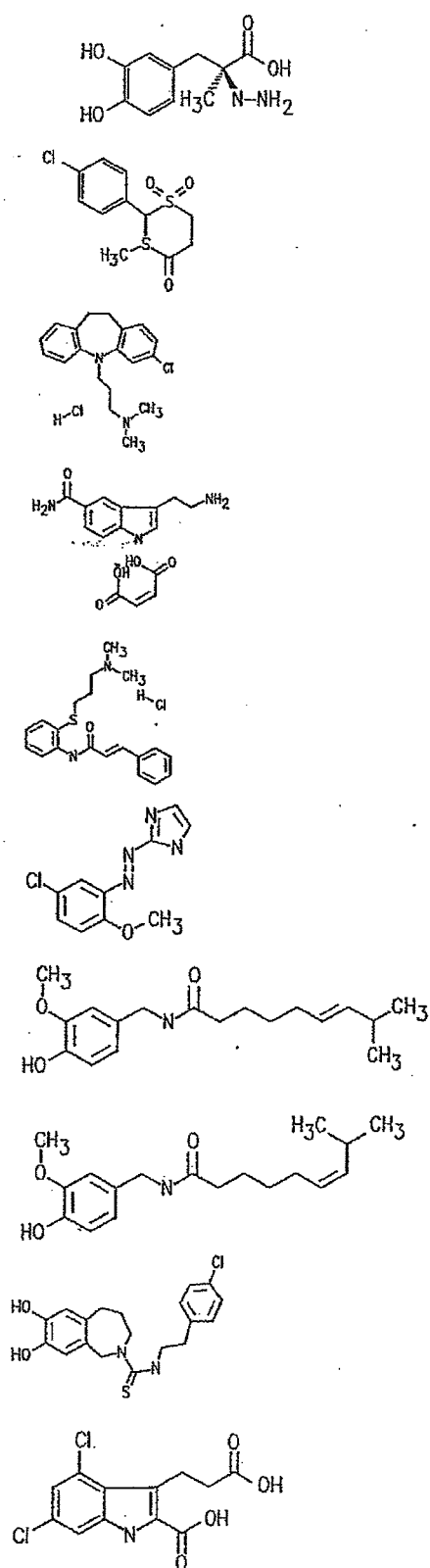


FIG. 17t

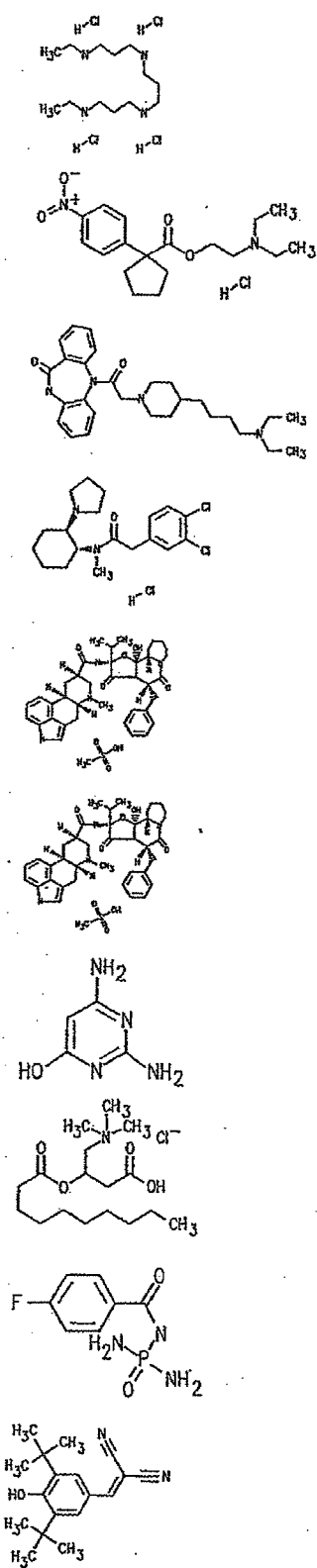


FIG. 17u

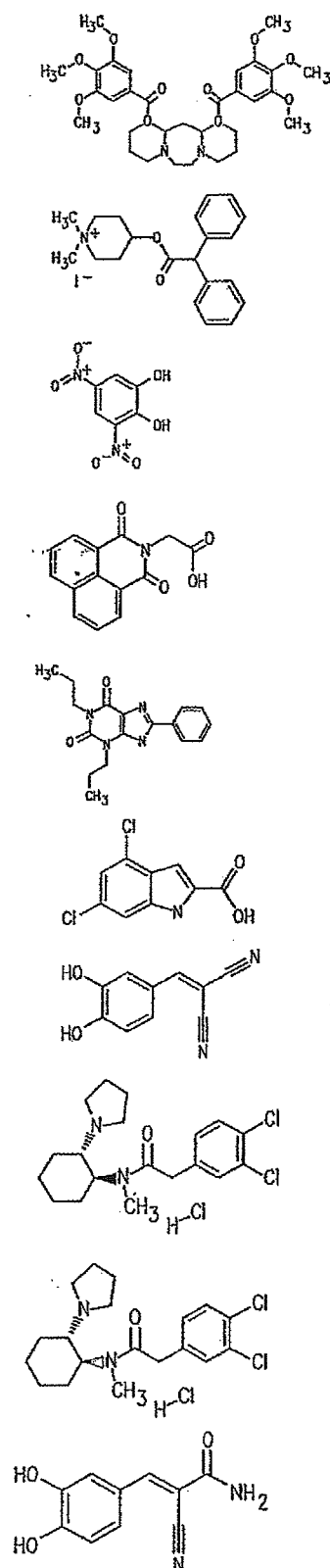


FIG. 17v

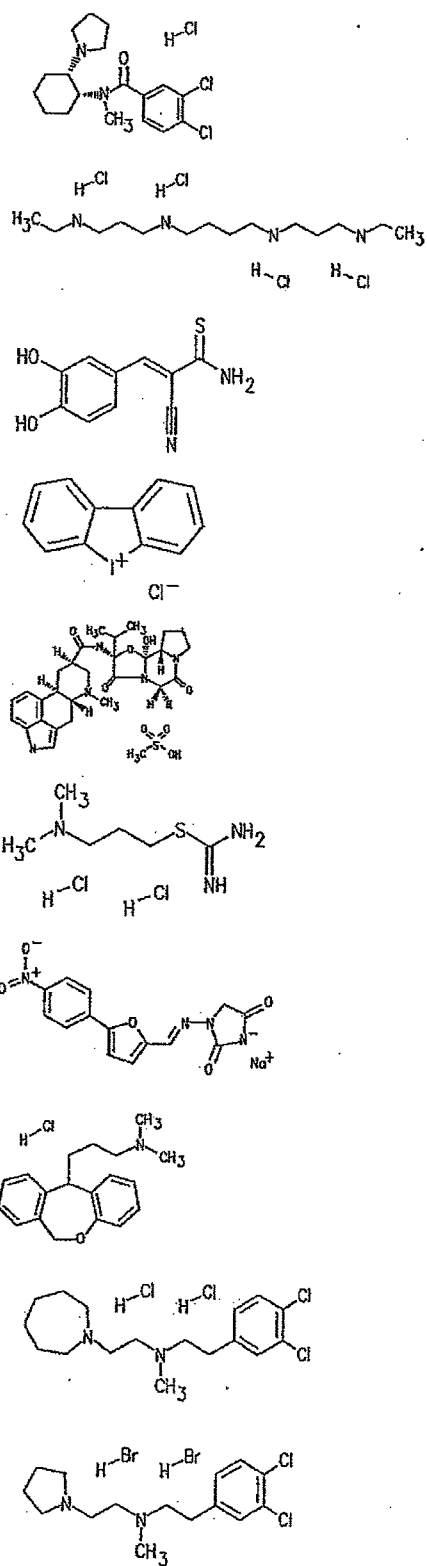


FIG. 17w

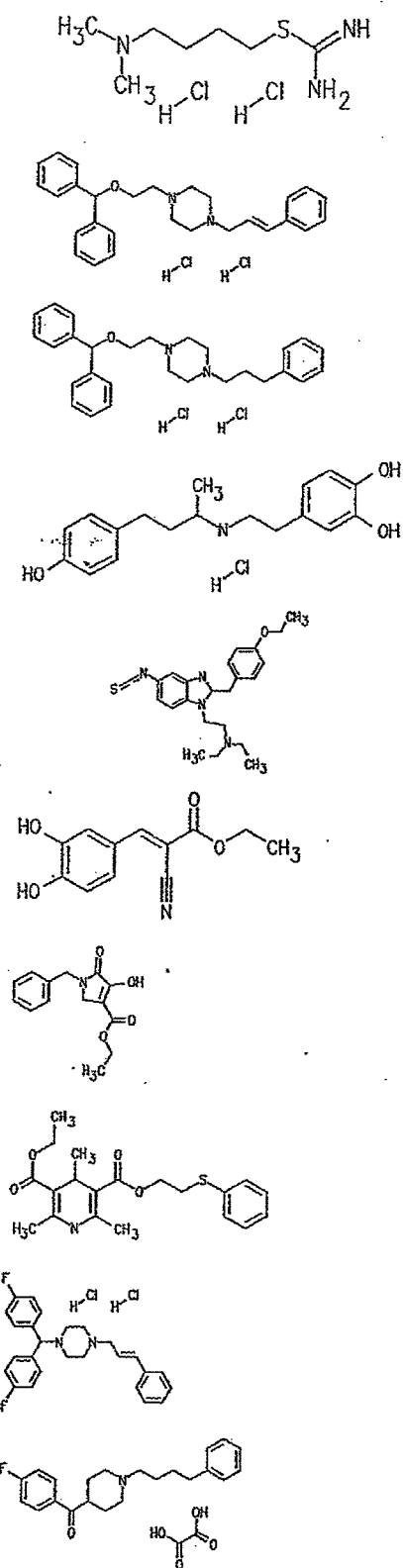


FIG. 17x

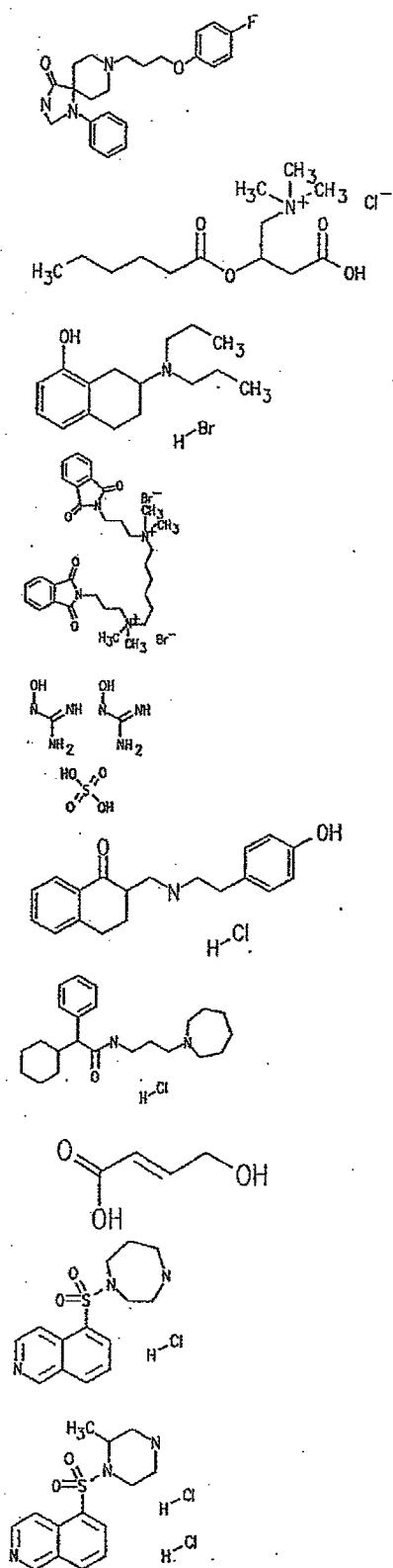


FIG. 17y

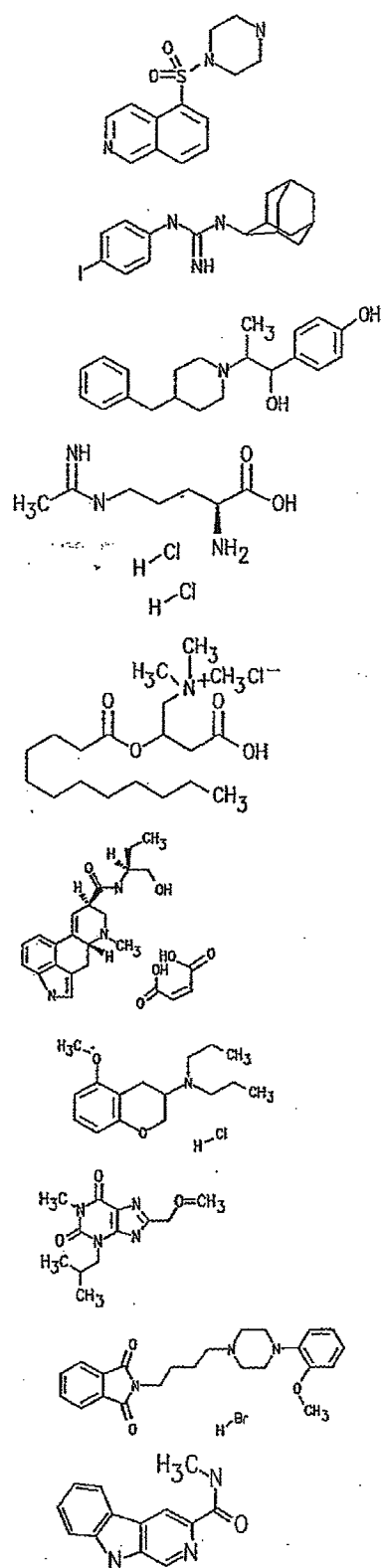


FIG. 17z

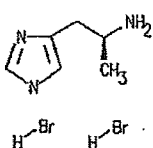
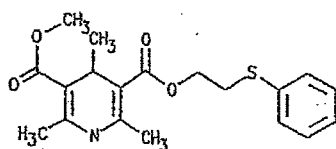
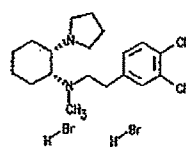
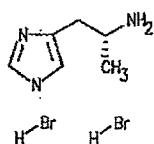
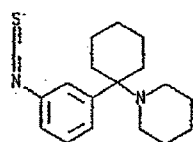
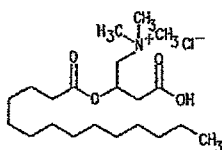
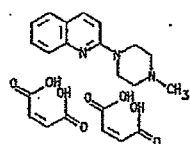
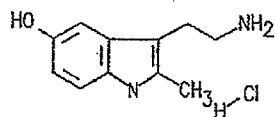
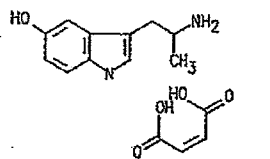
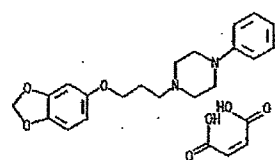


FIG. 17aa

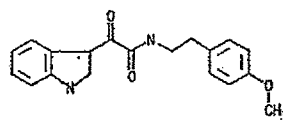
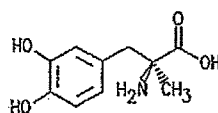
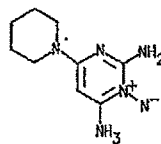
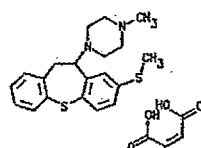
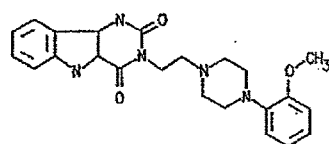
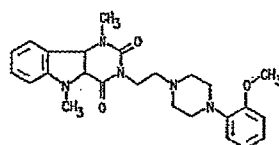
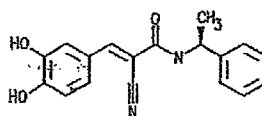
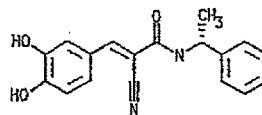
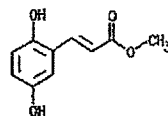
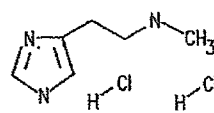


FIG. 17bb

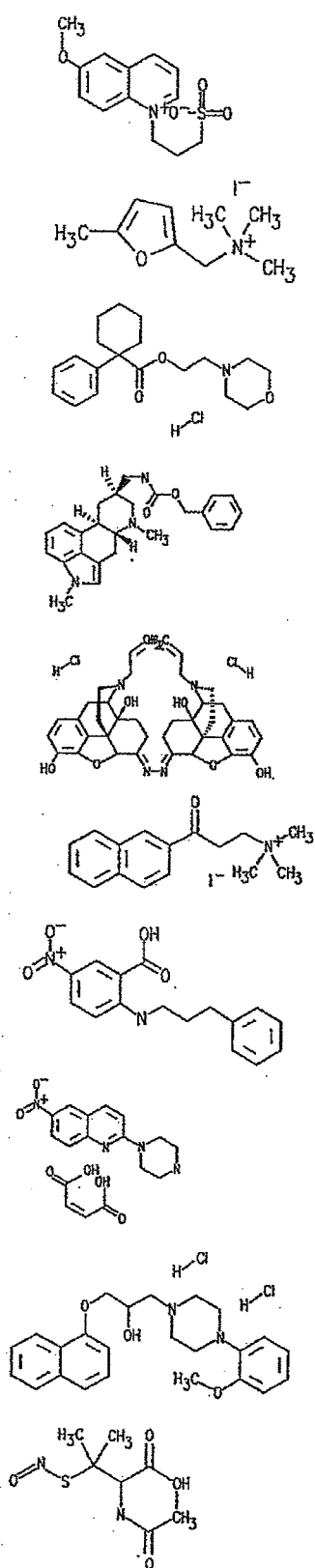


FIG. 17cc

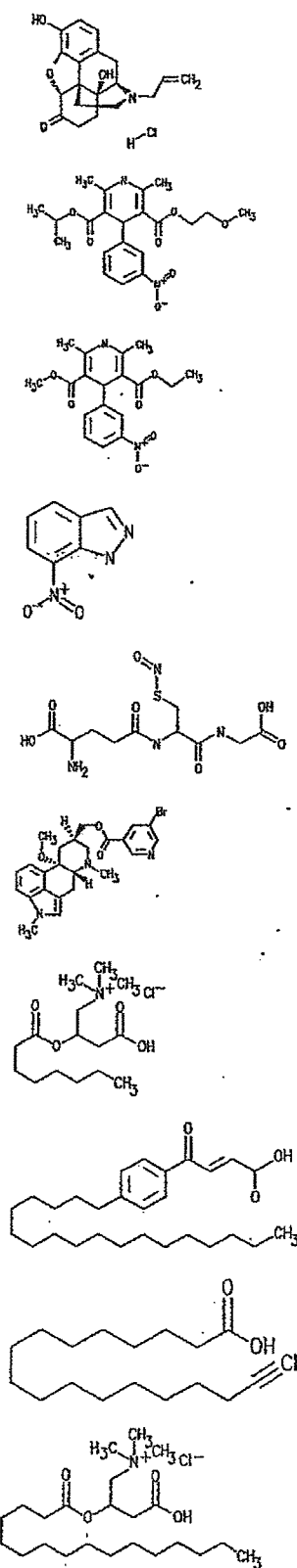


FIG. 17dd

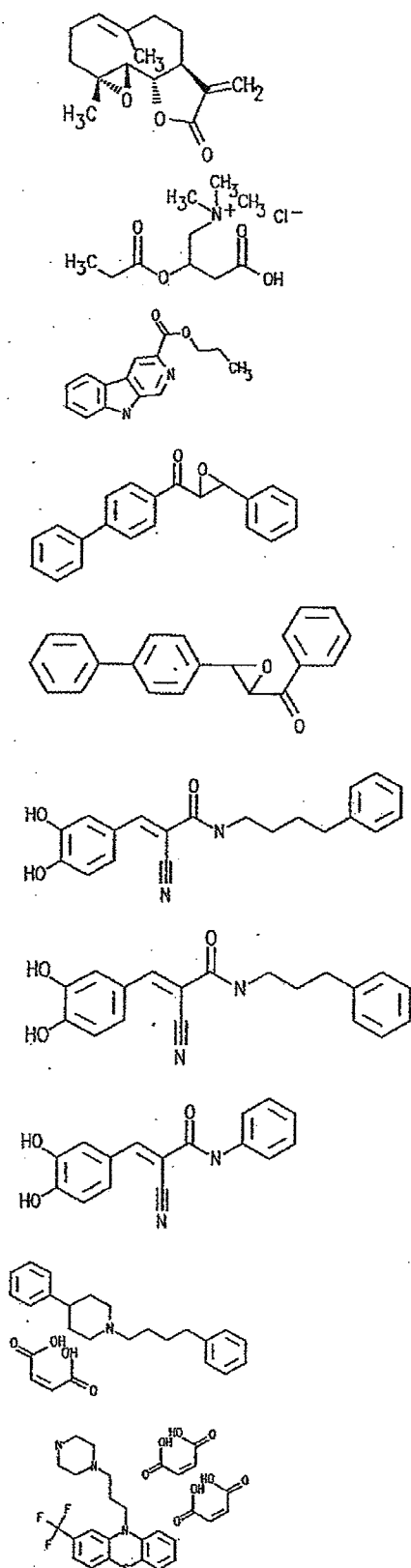


FIG. 17ee

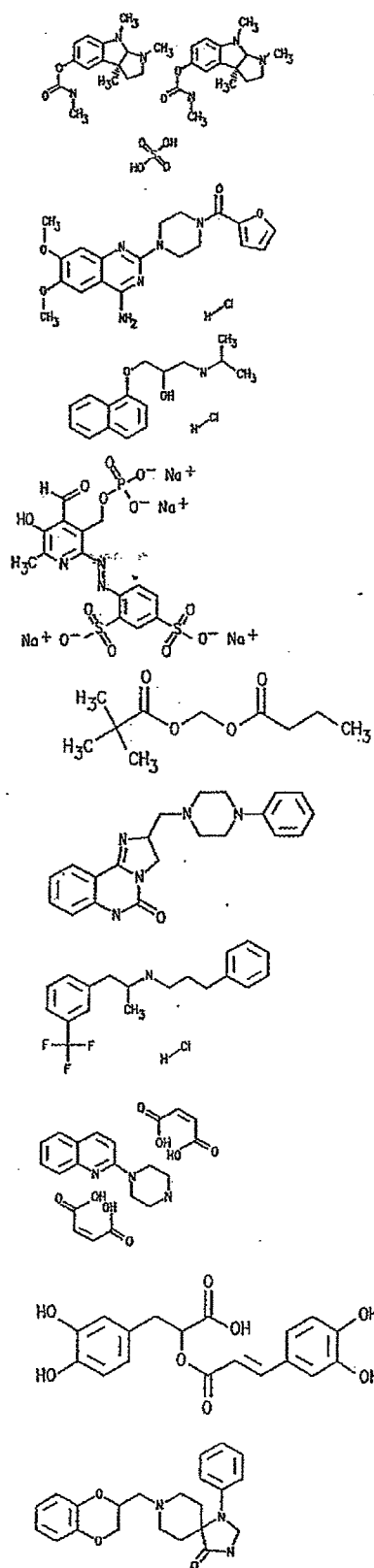


FIG. 17ff

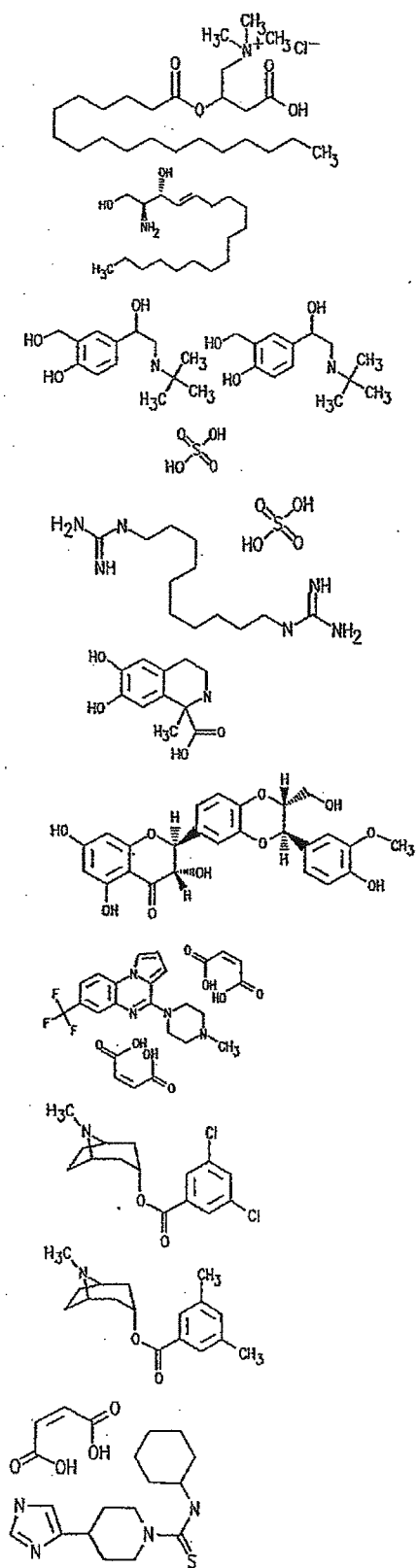


FIG. 17gg

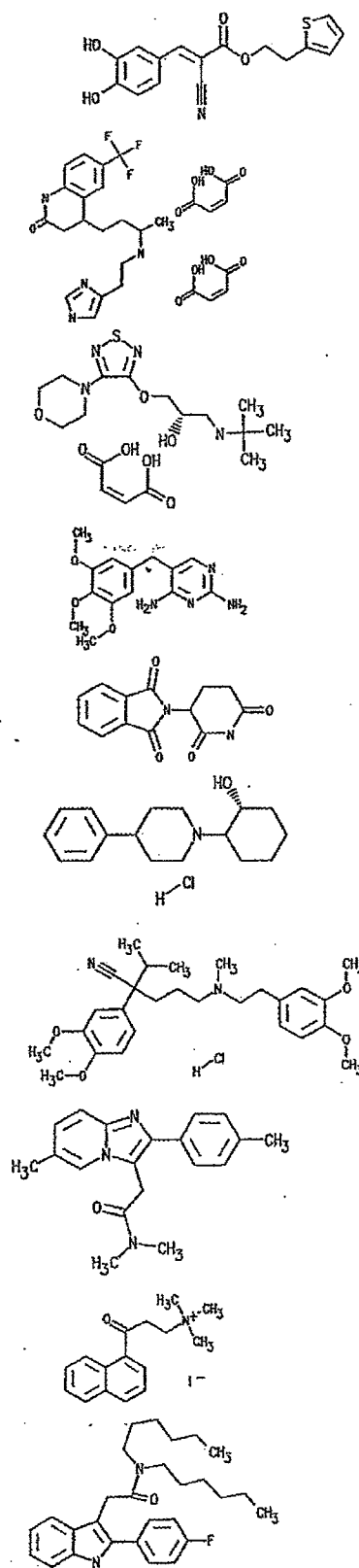


FIG. 17hh

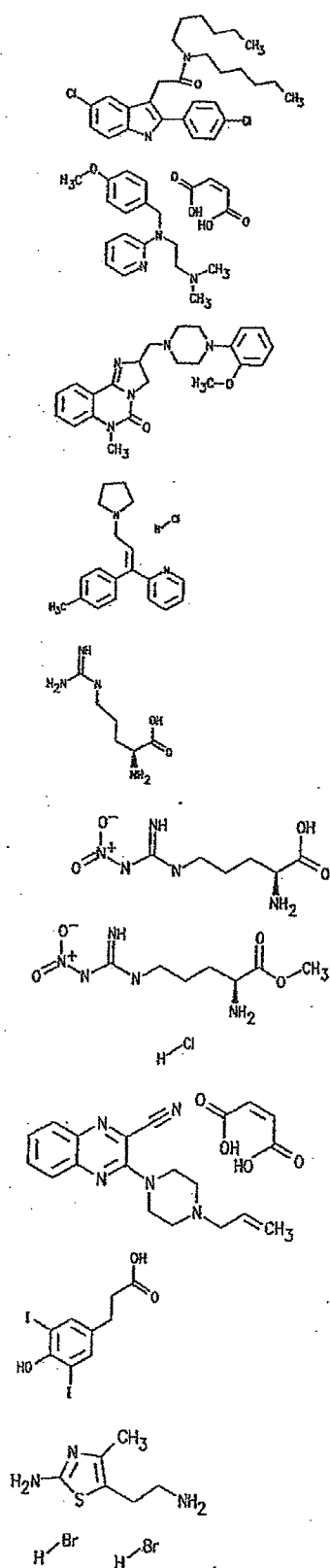


FIG. 17ii

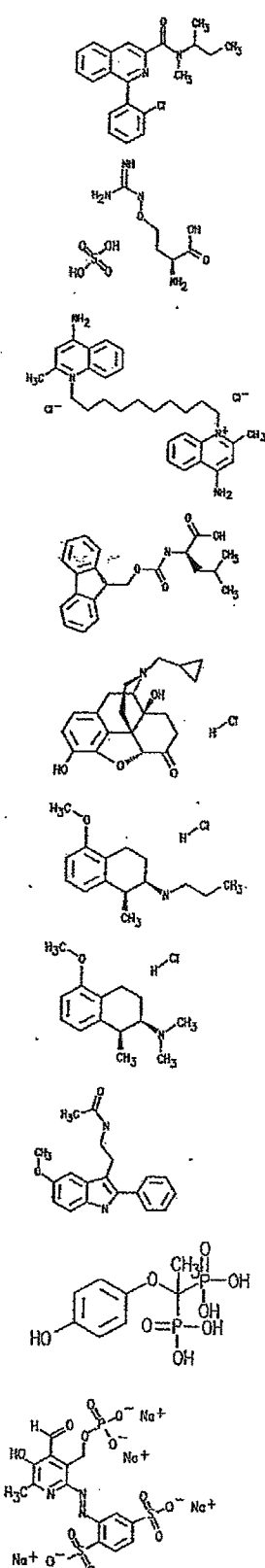


FIG. 17j

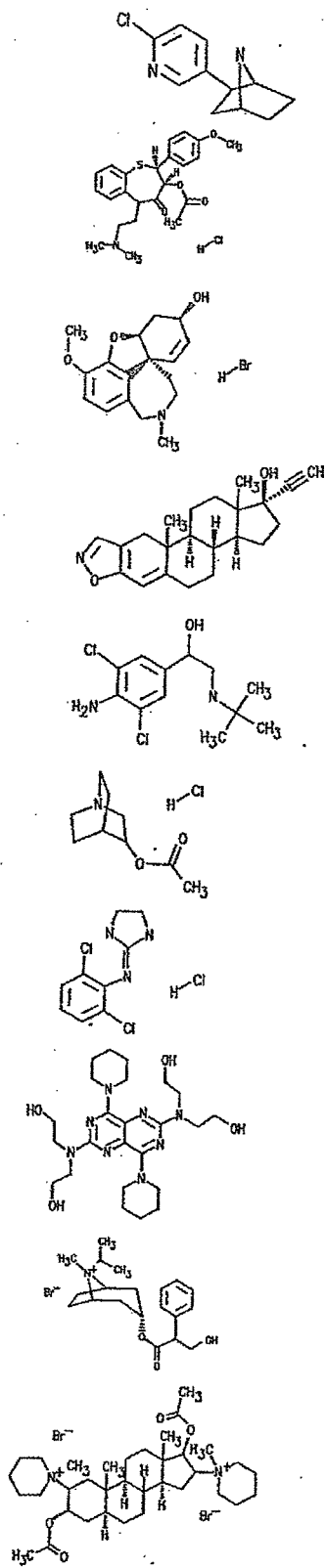


FIG. 17kk

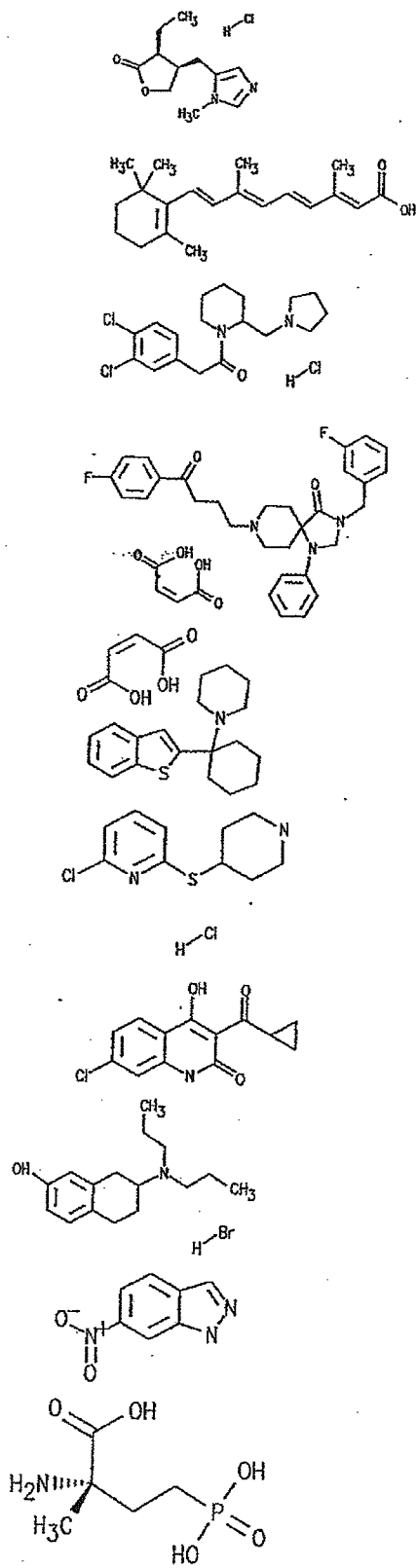


FIG. 1711

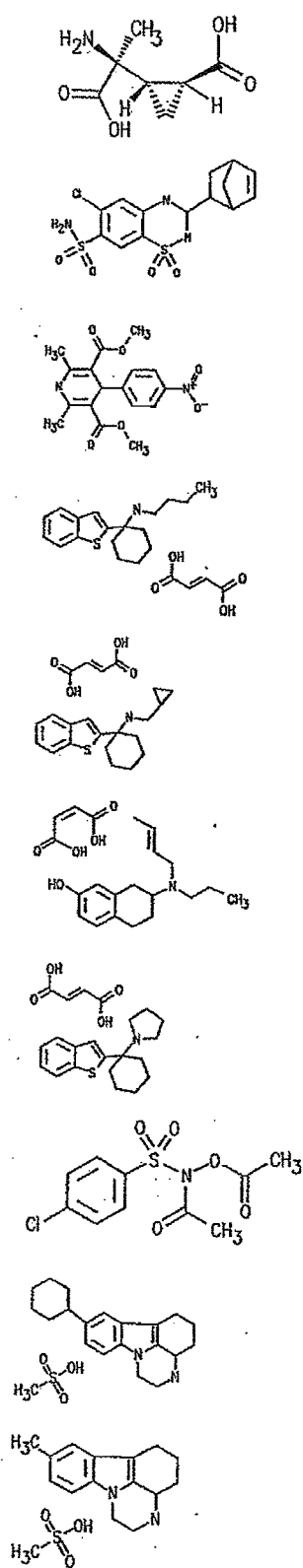


FIG. 17mm

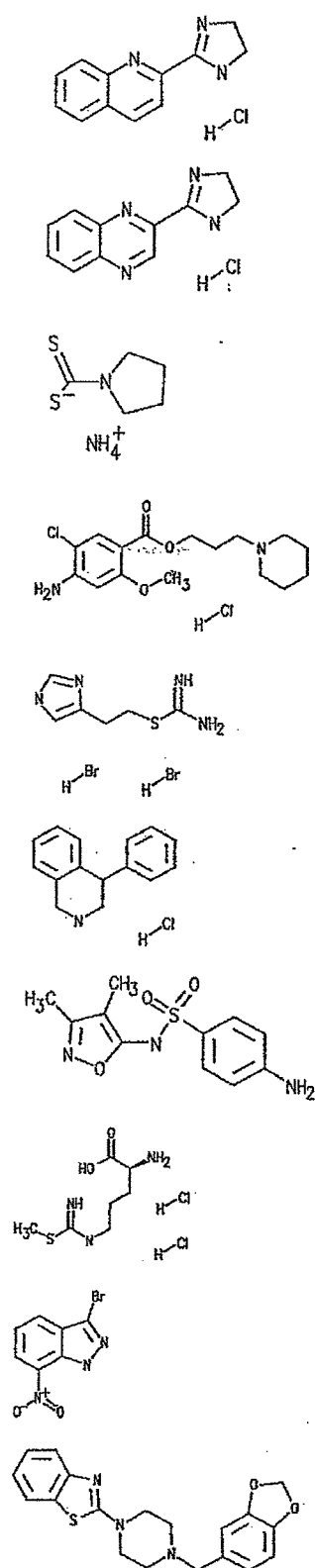


FIG. 17nn

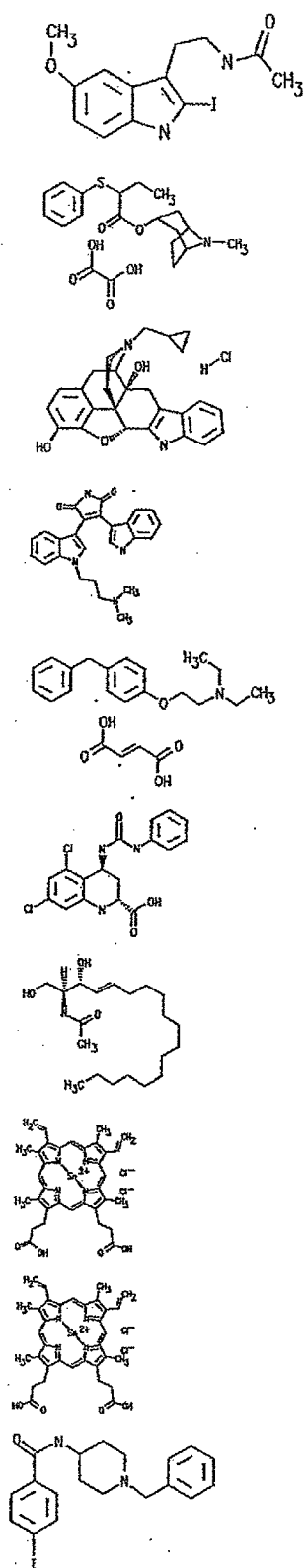


FIG. 17oo

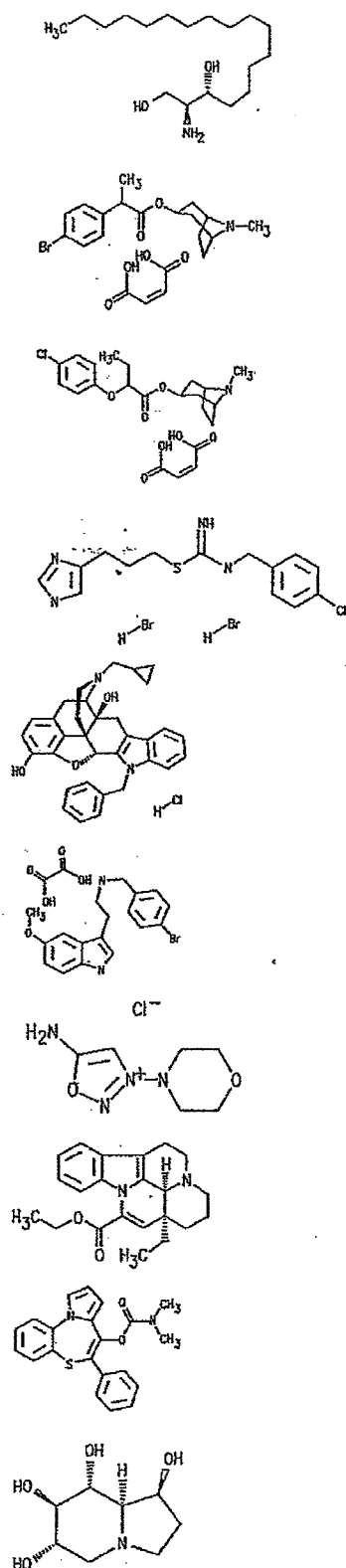


FIG. 17pp

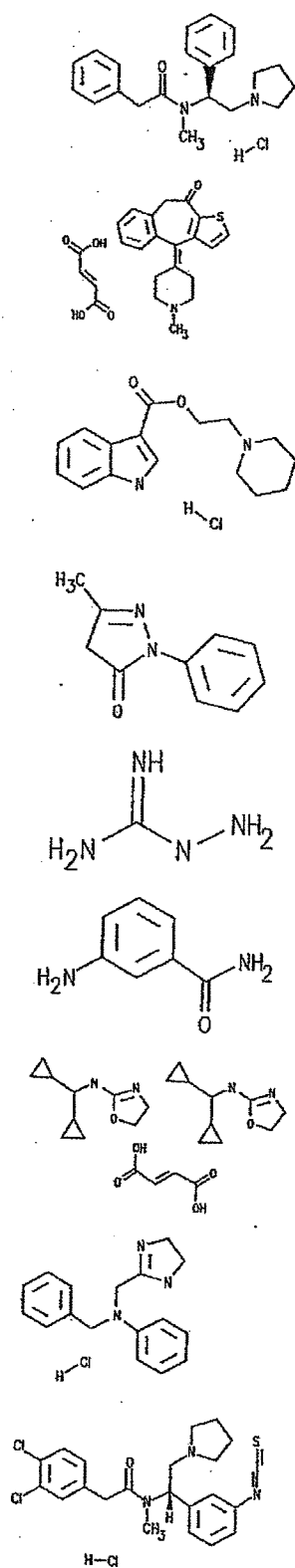


FIG. 17ss

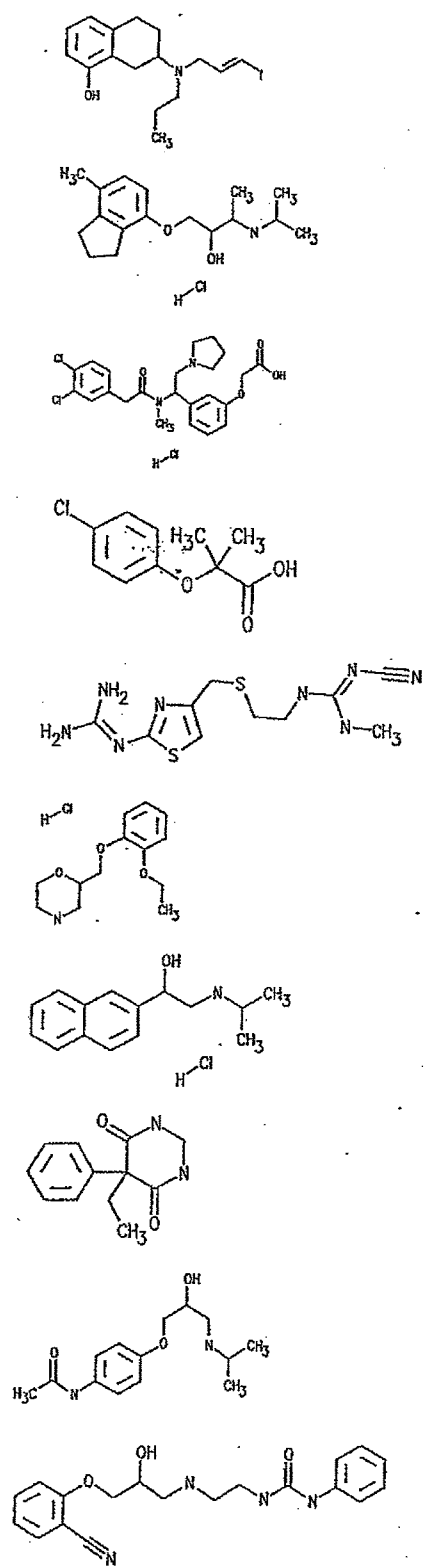


FIG. 17tt

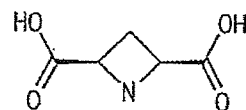
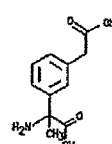
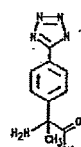
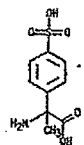
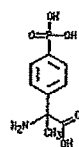
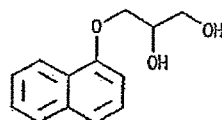
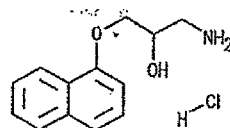
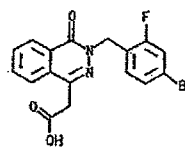
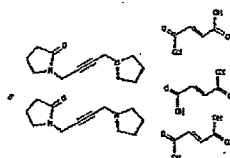
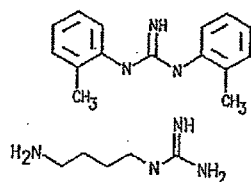
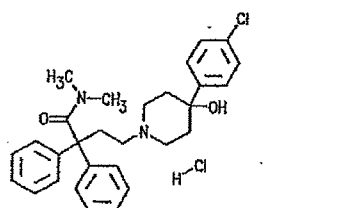
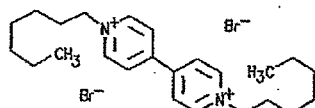
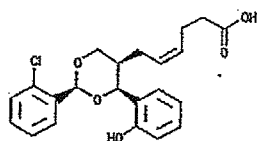
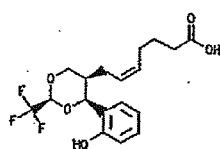
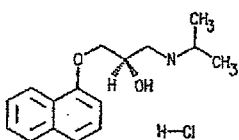
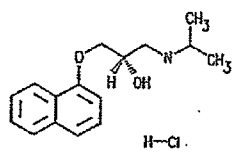


FIG. 17vv

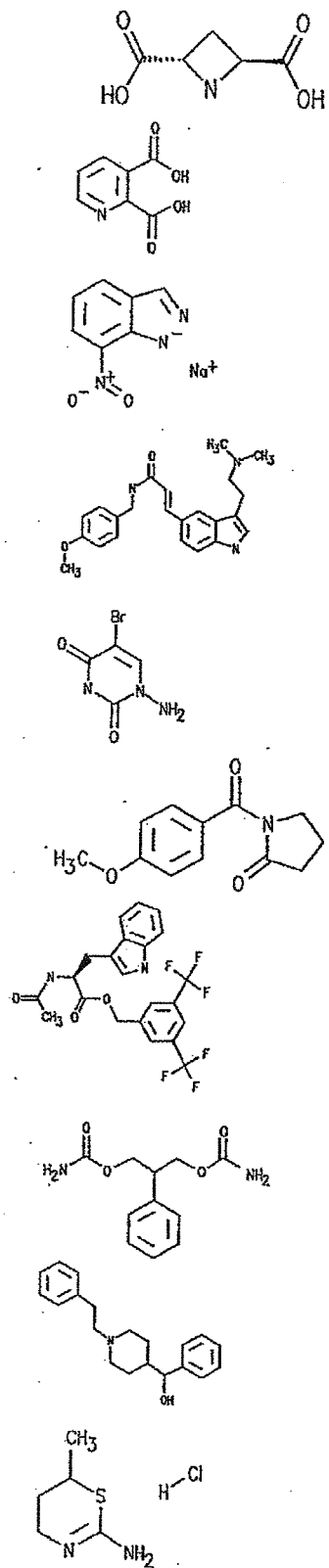


FIG. 17ww

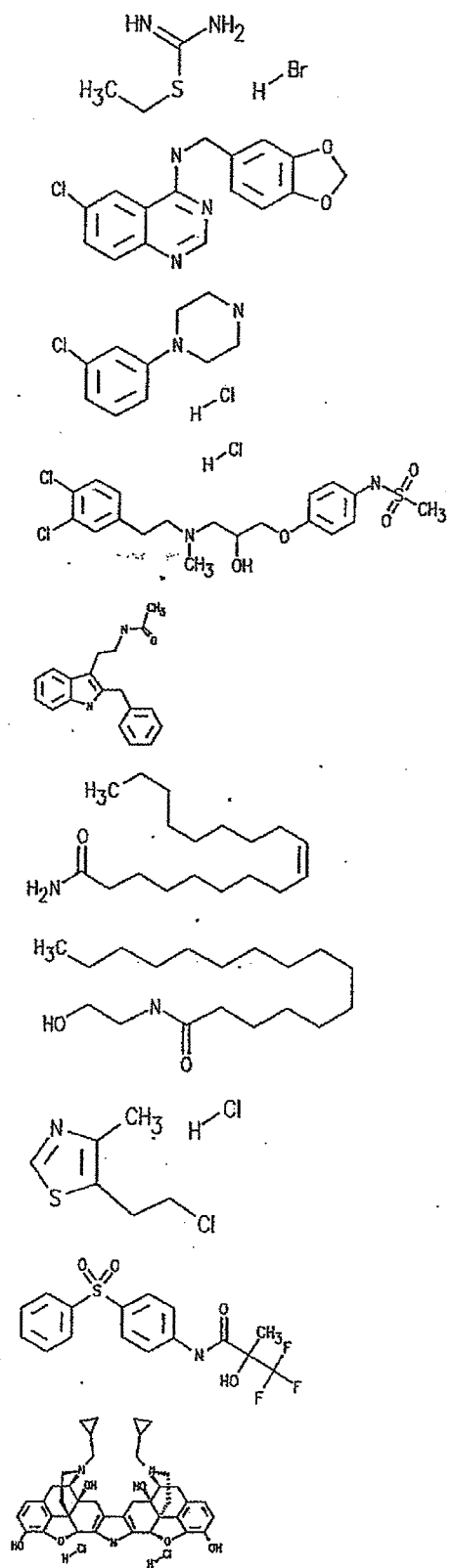


FIG. 17xx

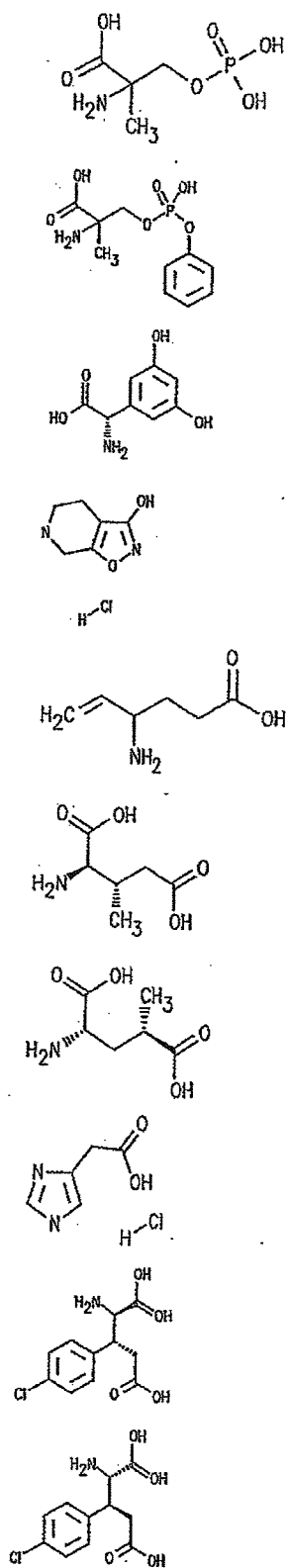


FIG. 17yy

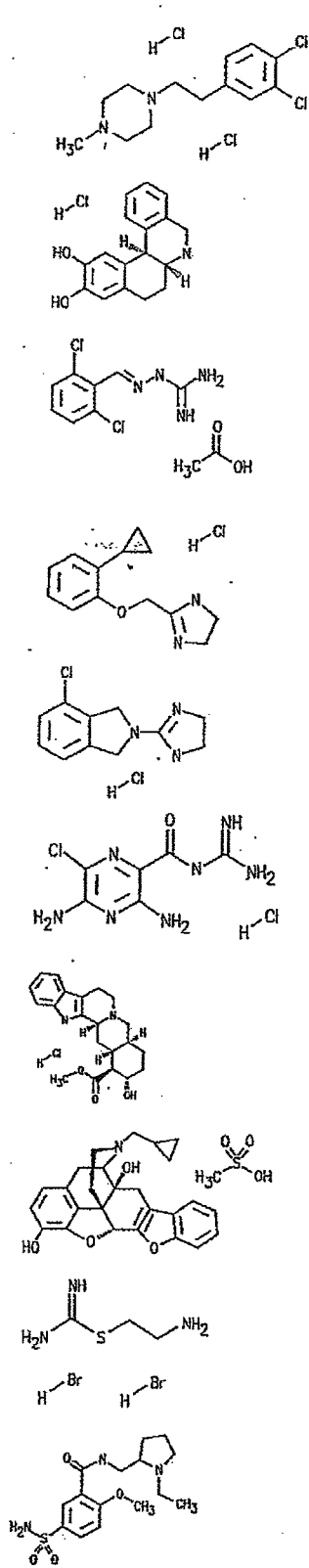


FIG. 17zz

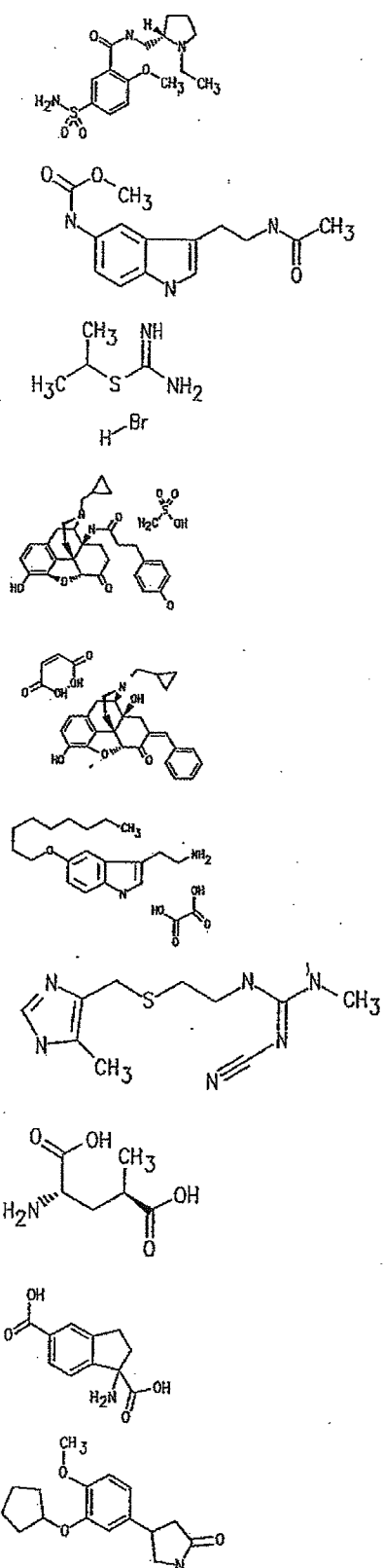


FIG. 17aaa

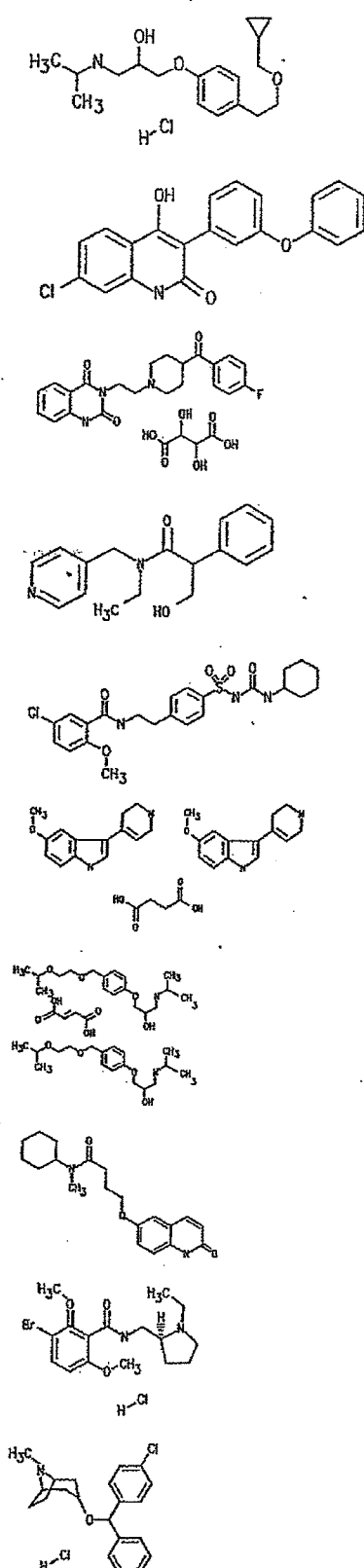


FIG. 17bbb

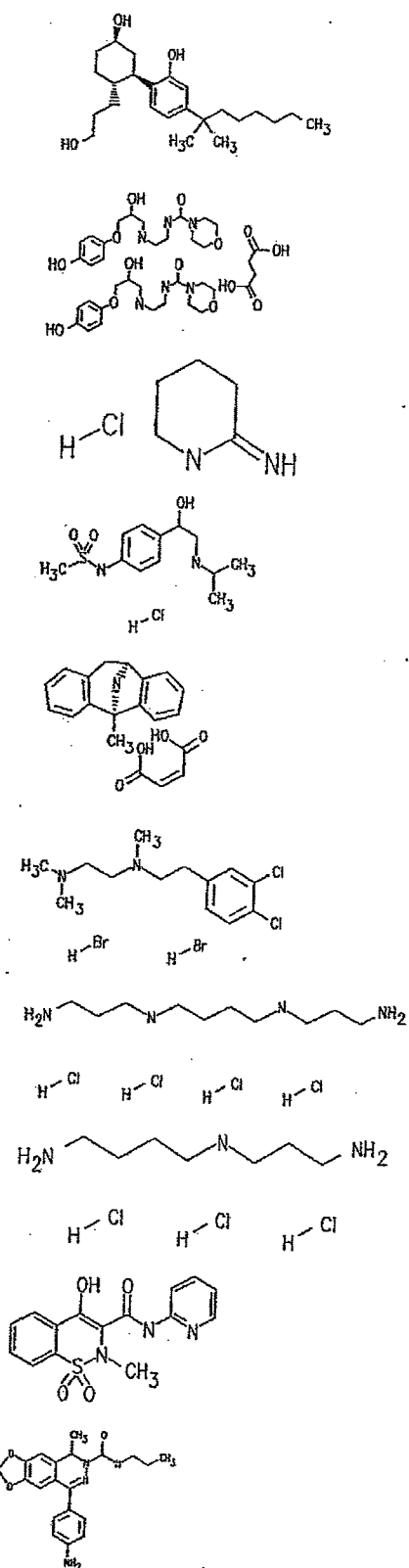


FIG. 17eee

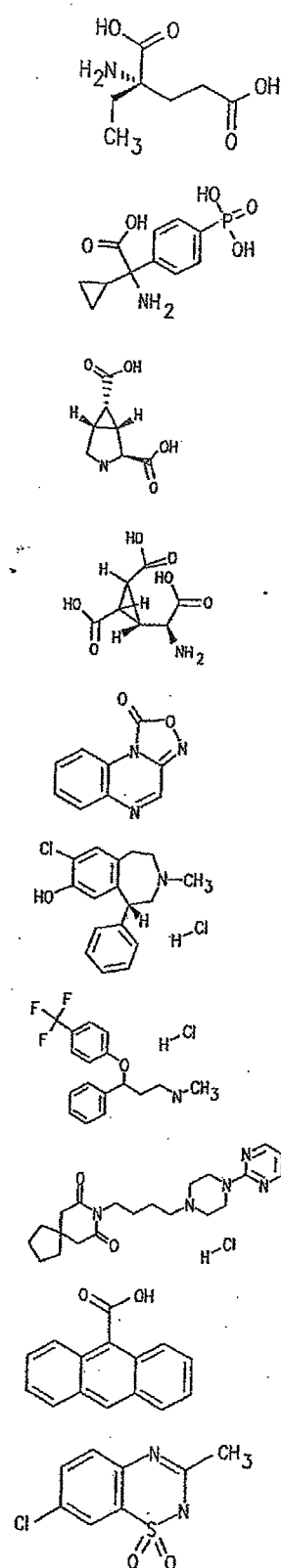


FIG. 17fff

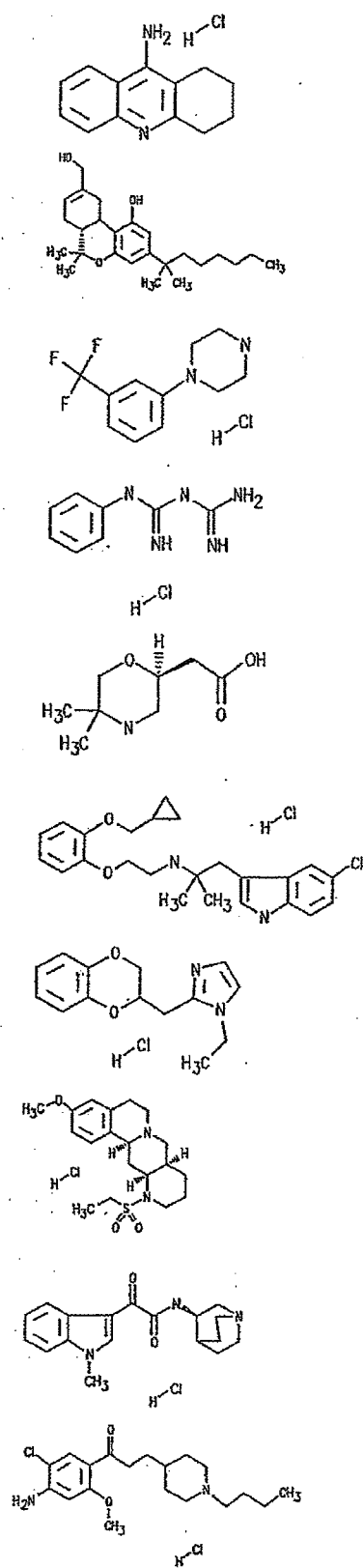


FIG. 17ggg

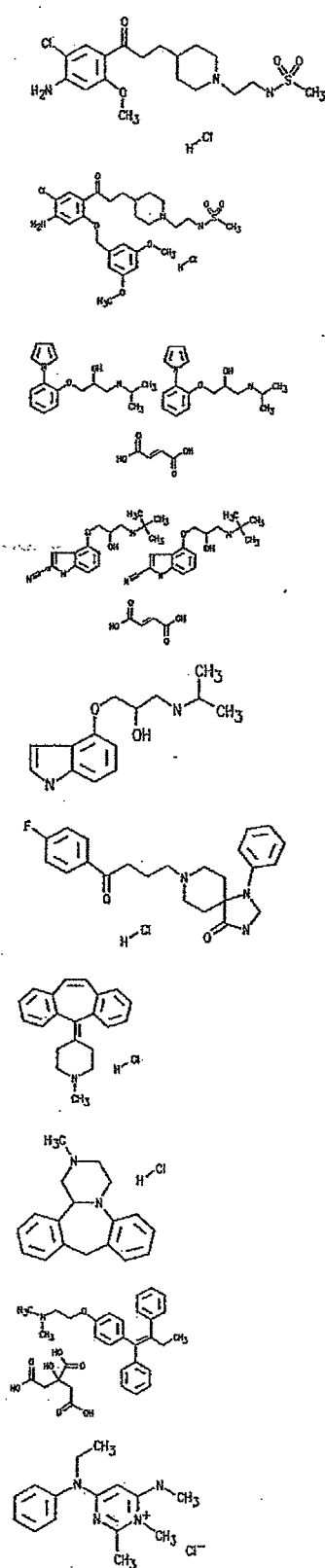


FIG. 17hhh

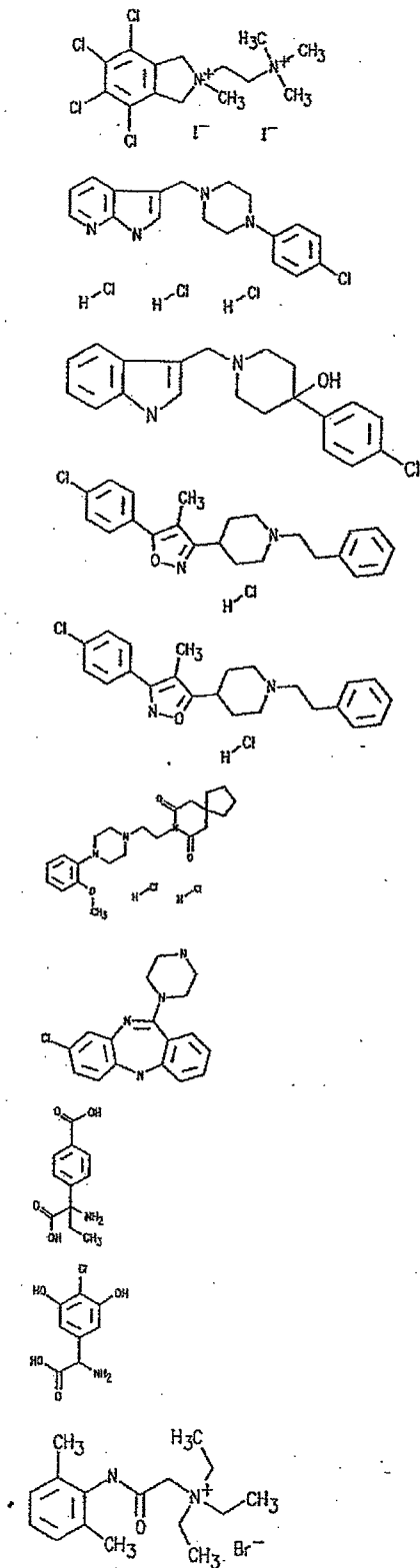


FIG. 17iii

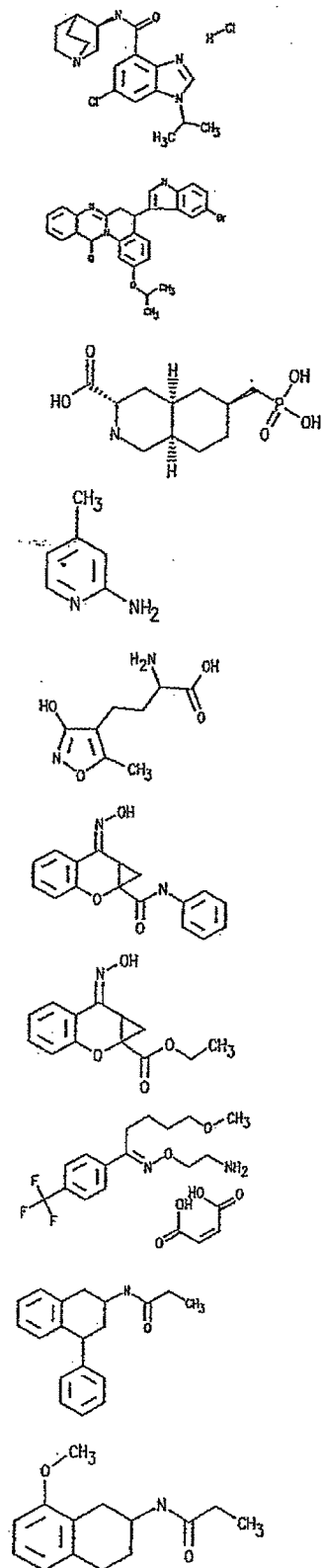


FIG. 17jjj

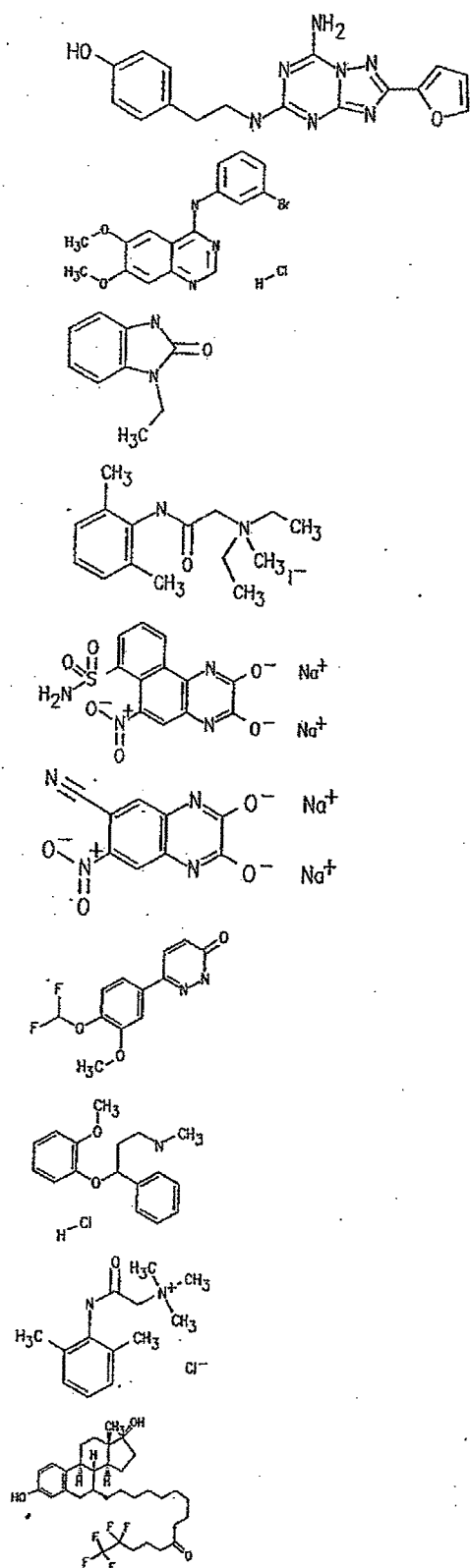


FIG. 17kkk

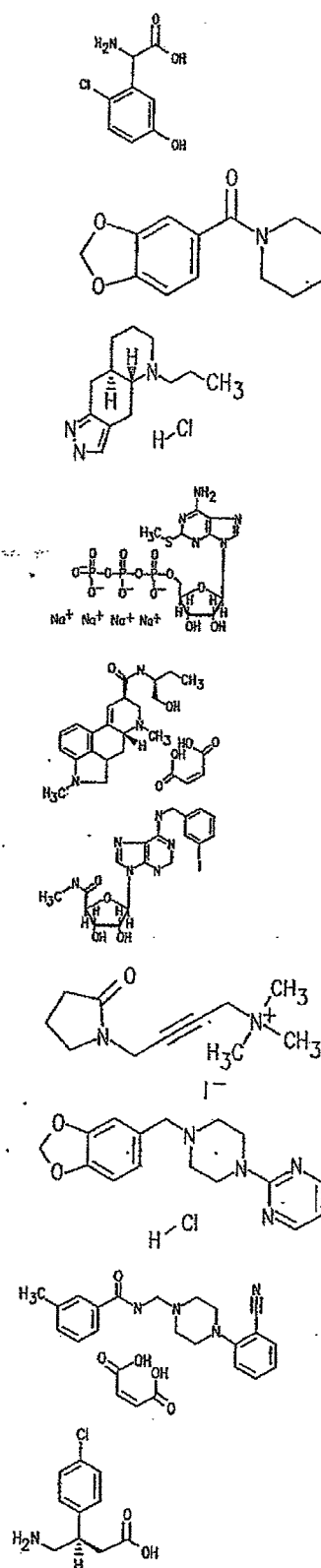


FIG. 17lll

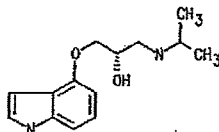
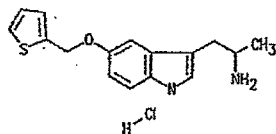
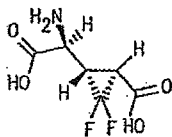
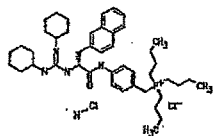
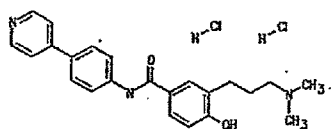
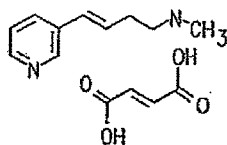
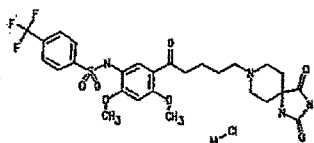
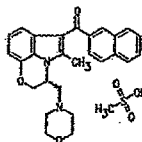
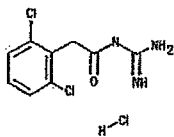
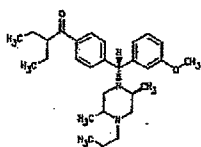


FIG. 17mm

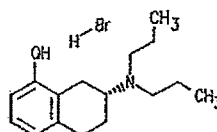
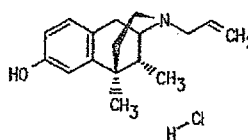
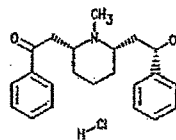
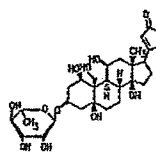
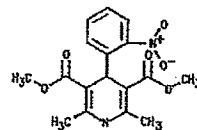
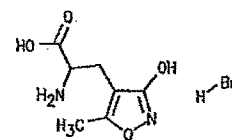
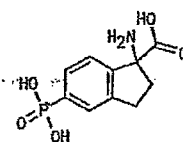
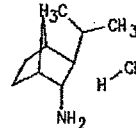
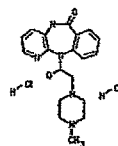
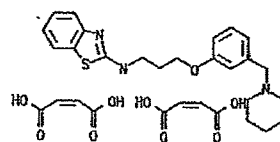


FIG. 17nnn

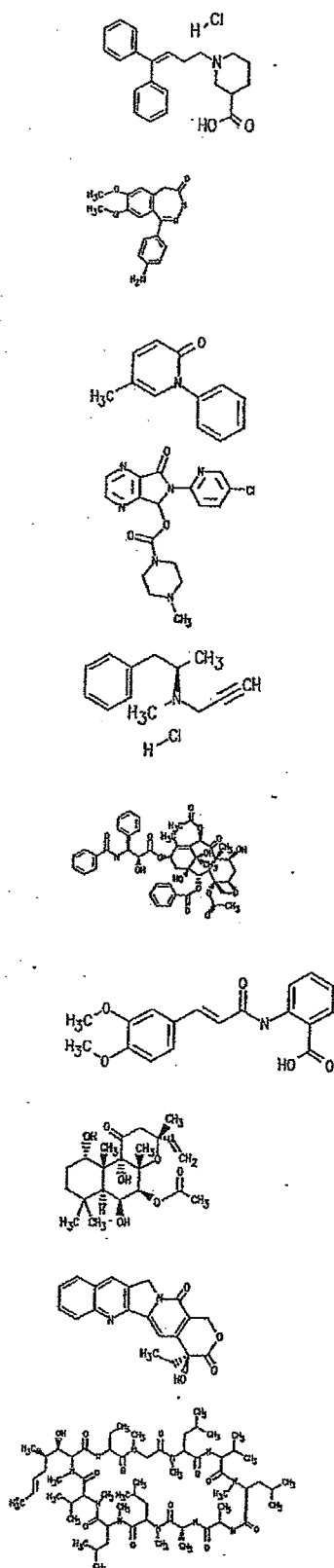


FIG. 17ooo

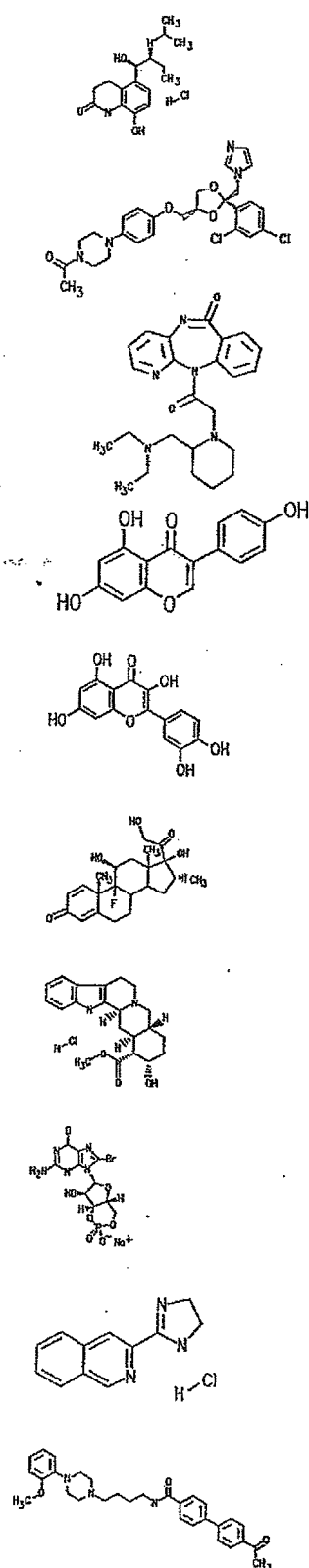


FIG. 17ppp

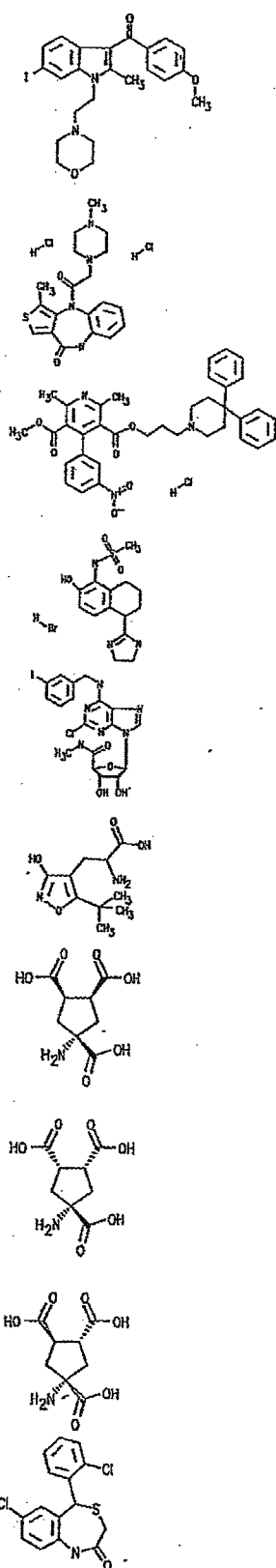


FIG. 17qqq

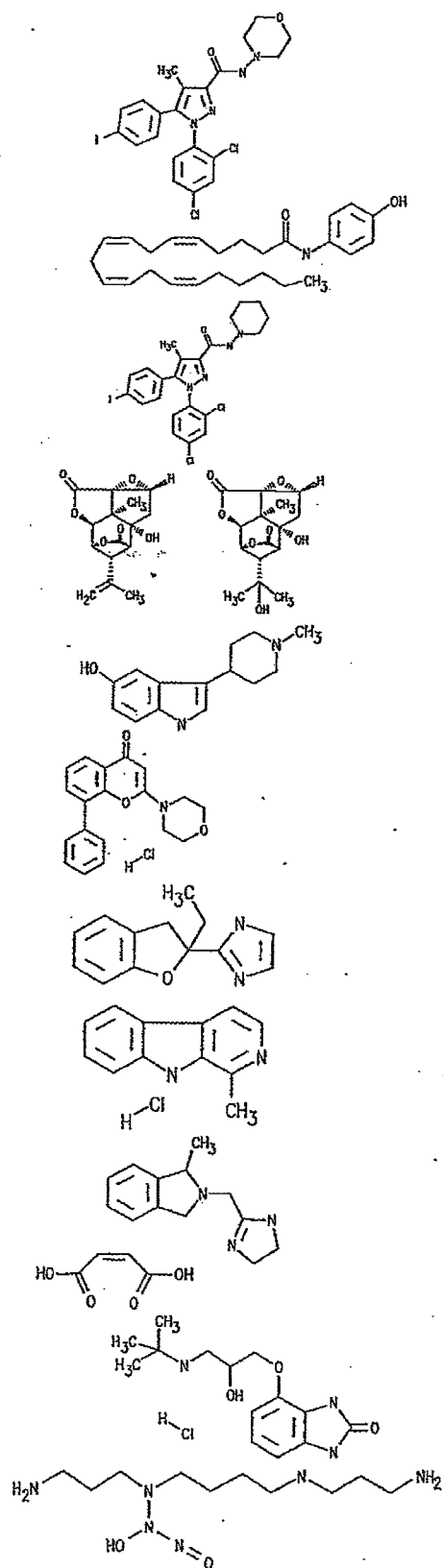


FIG. 17rrr

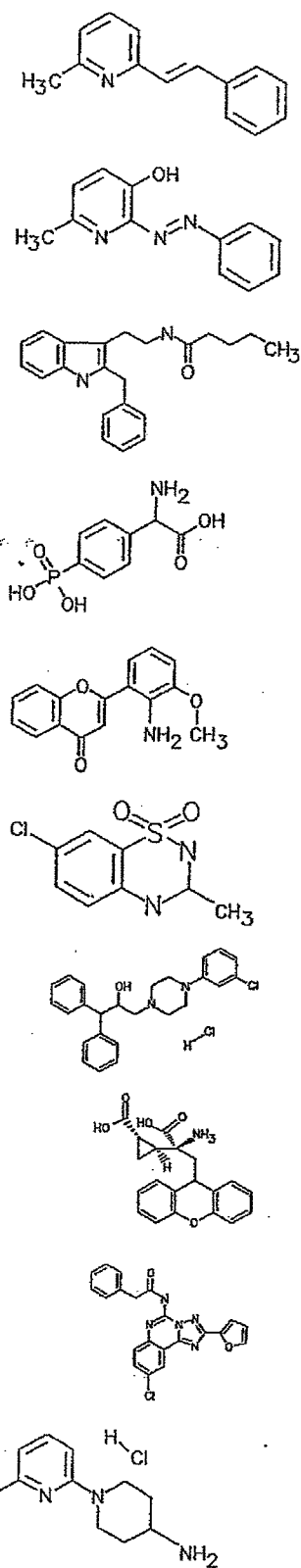


FIG. 17ttt

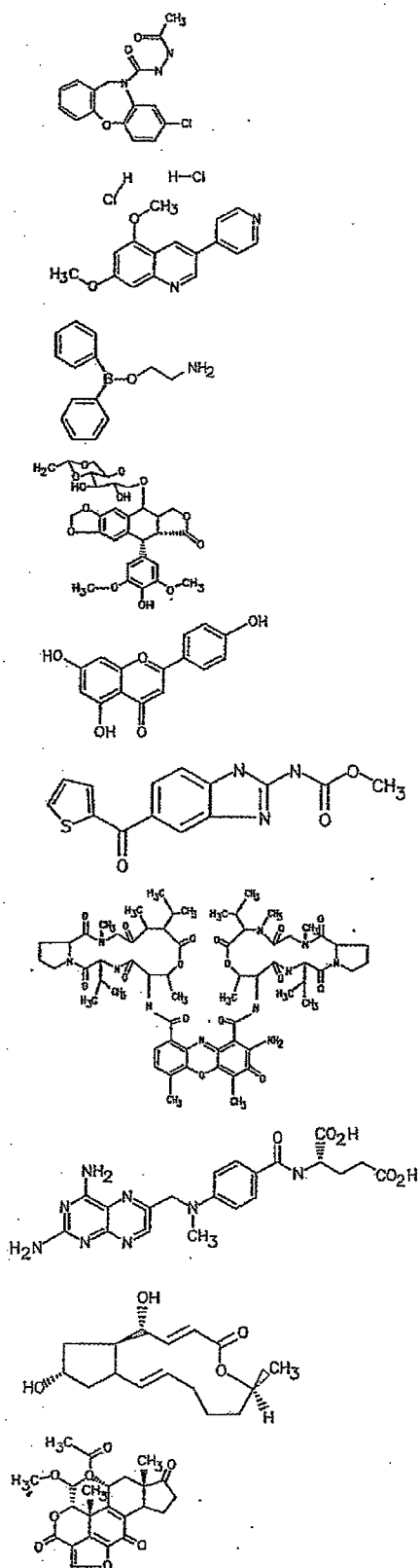


FIG. 17uuu

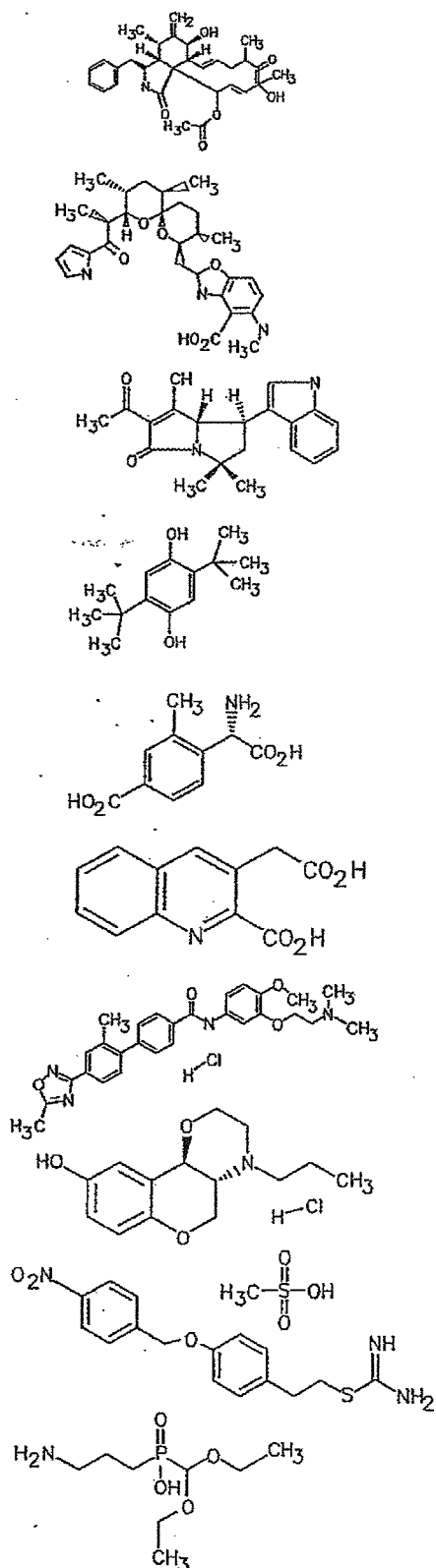


FIG. 17vvv

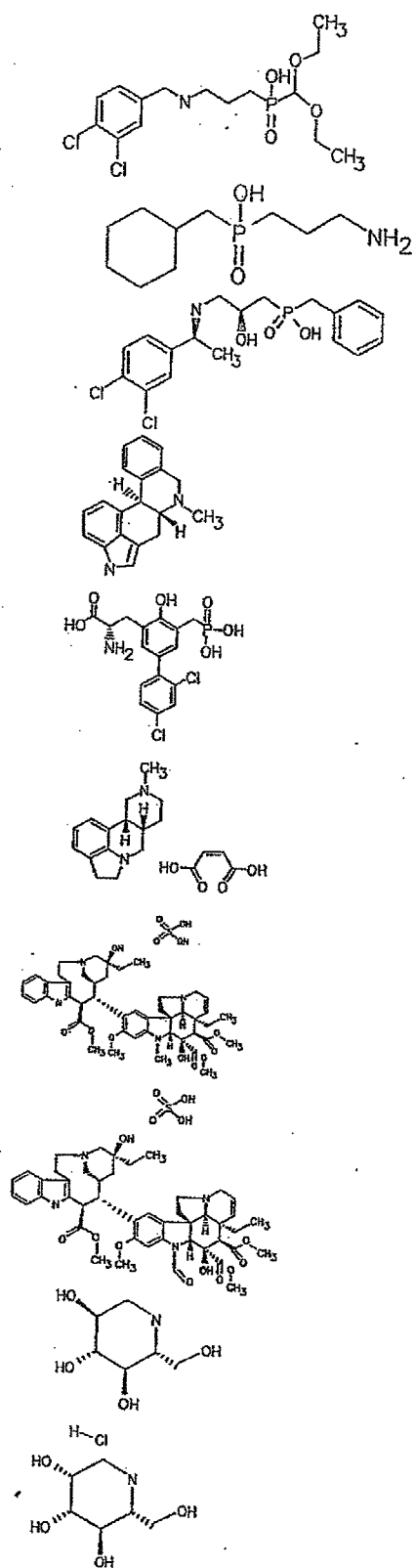


FIG. 17www

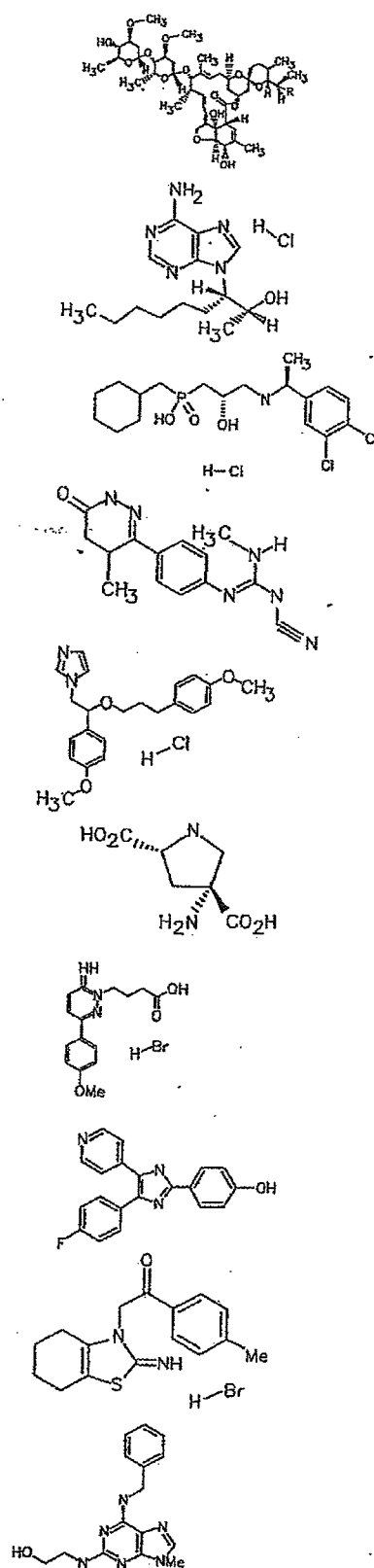


FIG. 17xxx

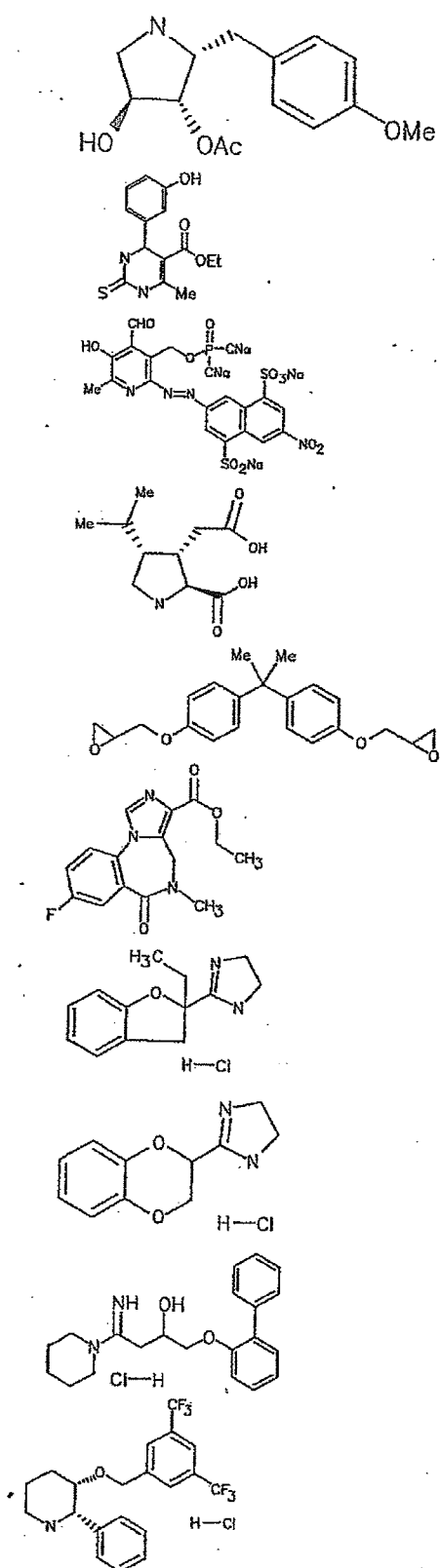


FIG. 17yyy

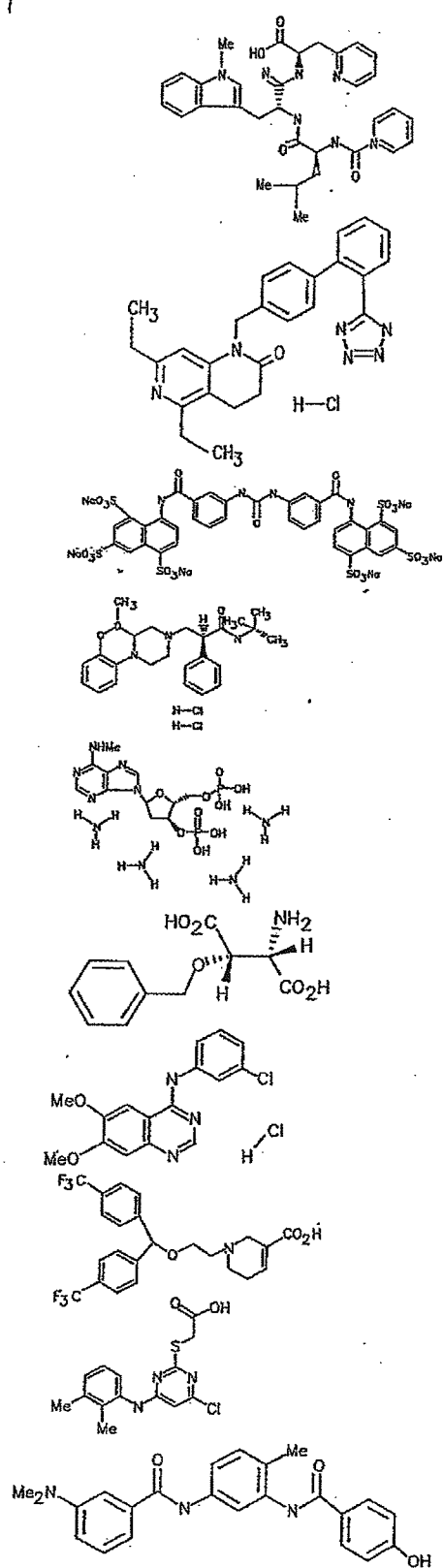


FIG. 17zzz

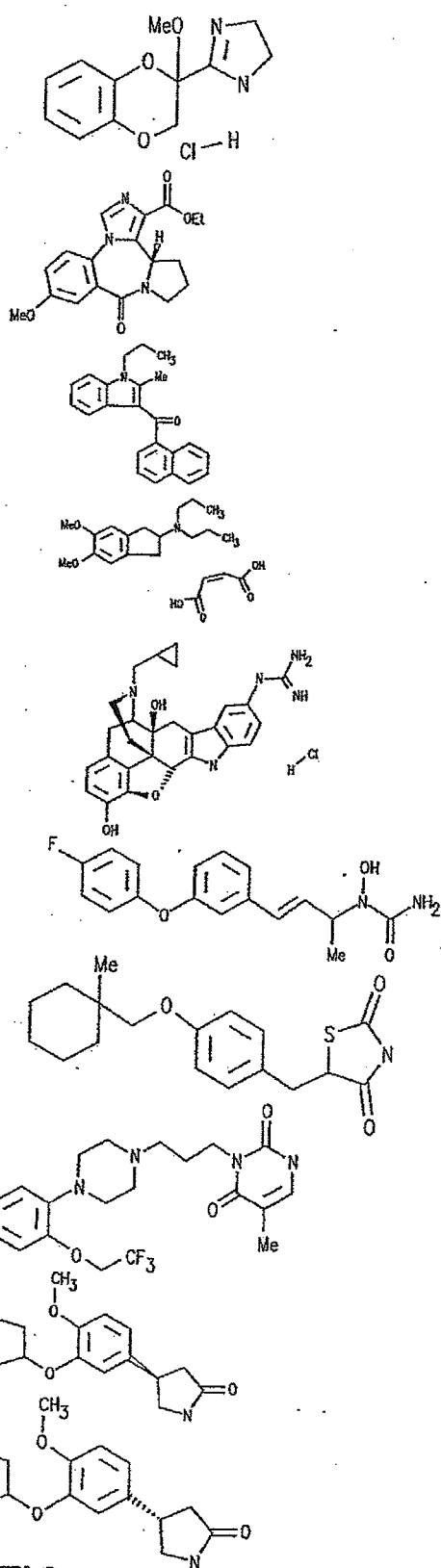


FIG. 17

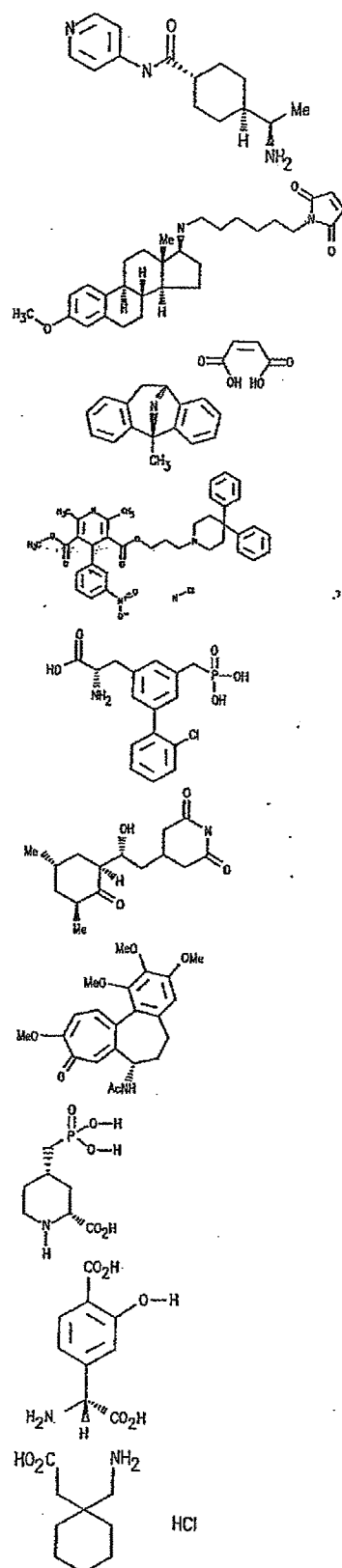


FIG. 17bbbb

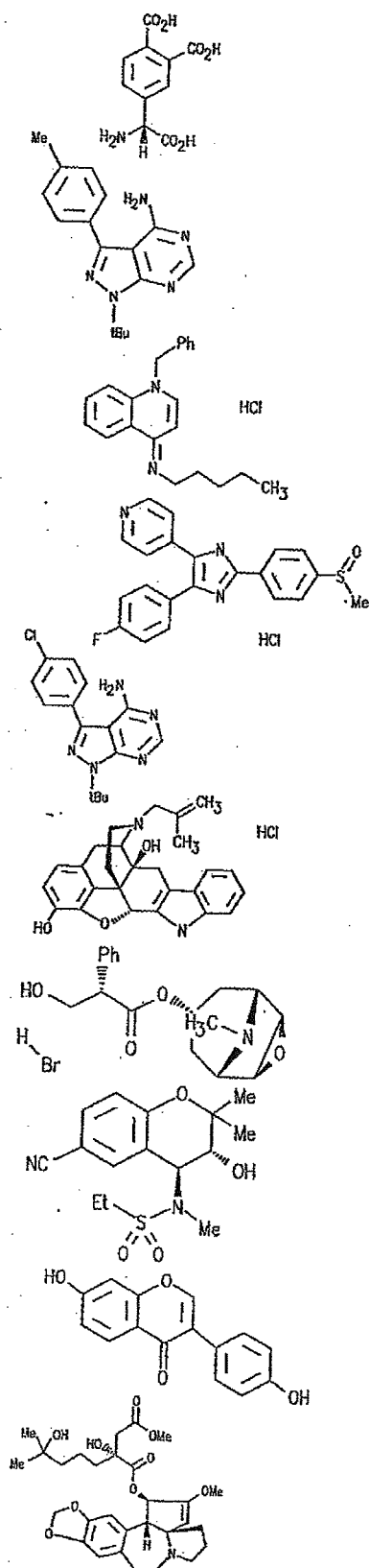


FIG. 17eeee

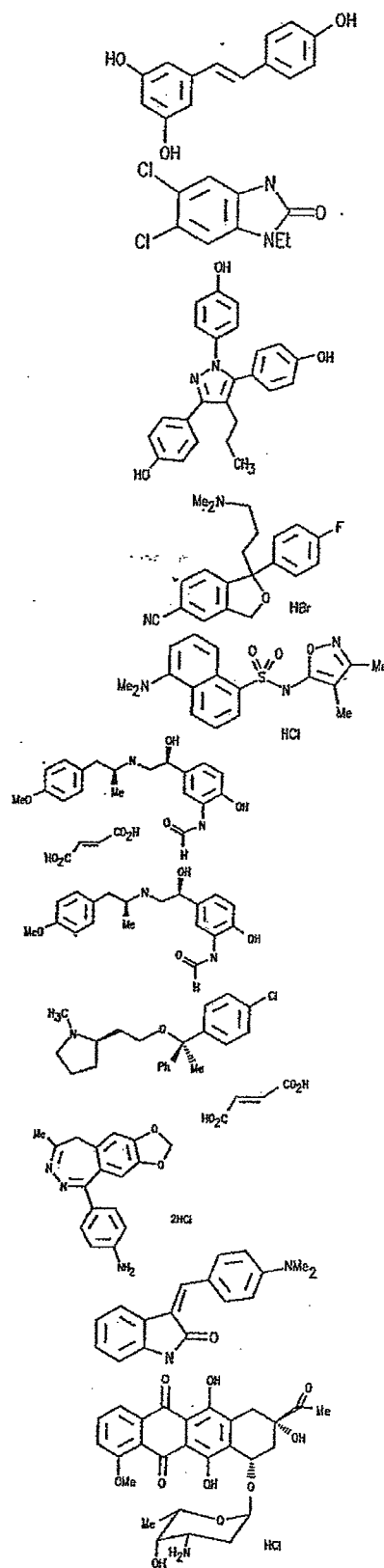


FIG. 17ffff

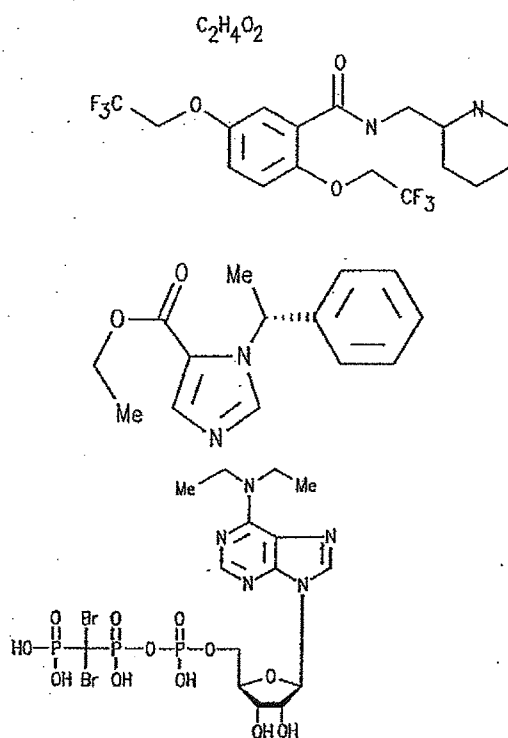


FIG. 17gggg

PEPTIDES AND ANTIBODIES PROBES FOR CENTRAL NERVOUS
SYSTEM DISEASES

β -Amyloid Precursor Protein
 β -Secretase Inhibitor III
 γ -Secretase Inhibitor XII
 (+)-Ibuprofen
 (S)-(+)-Ibuprofen
 Anti- β -Amyloid(1-43)
 Anti-BACE1, C-Terminal(485-501)
 Anti-Nicastrin, C-Terminal
 Anti-Nicastrin, N-Terminal
 Anti-Reelin

PEPTIDES FOR ANGIOGENESIS

MT1-MMp Hemopexin Domain, His-Tag®, Human, Recombinant
 MT2-MMp Hemopexin Domain, His-Tag®, Human, Recombinant
 VEGF Inhibitor

FIG. 17hhhh

Points for Regulation of Various Metabolic Control Mechanisms

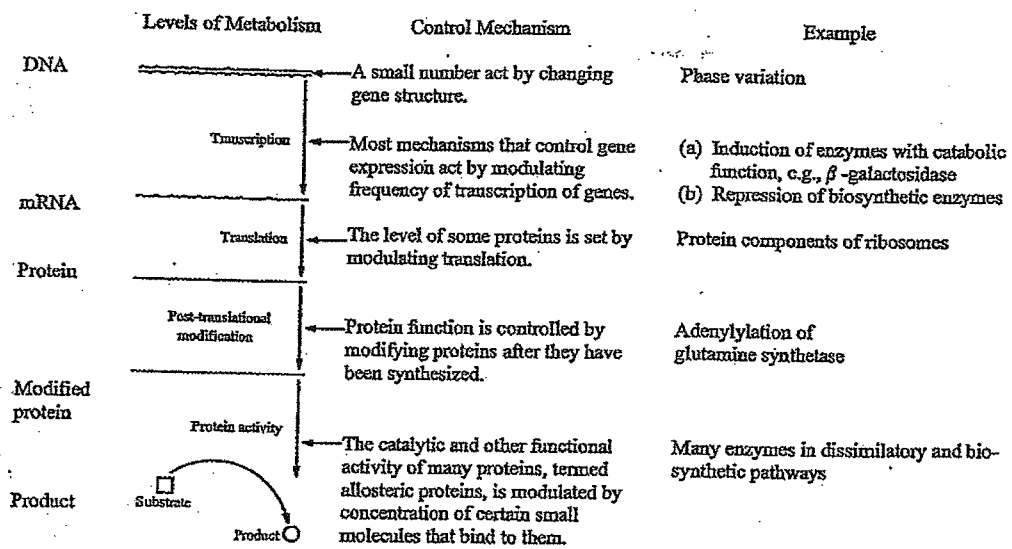


FIG. 18

From Tissue to Cellular Target

Multiple separations from a single patient
(Cytomation MoFlo High Speed Flow Cytometry)

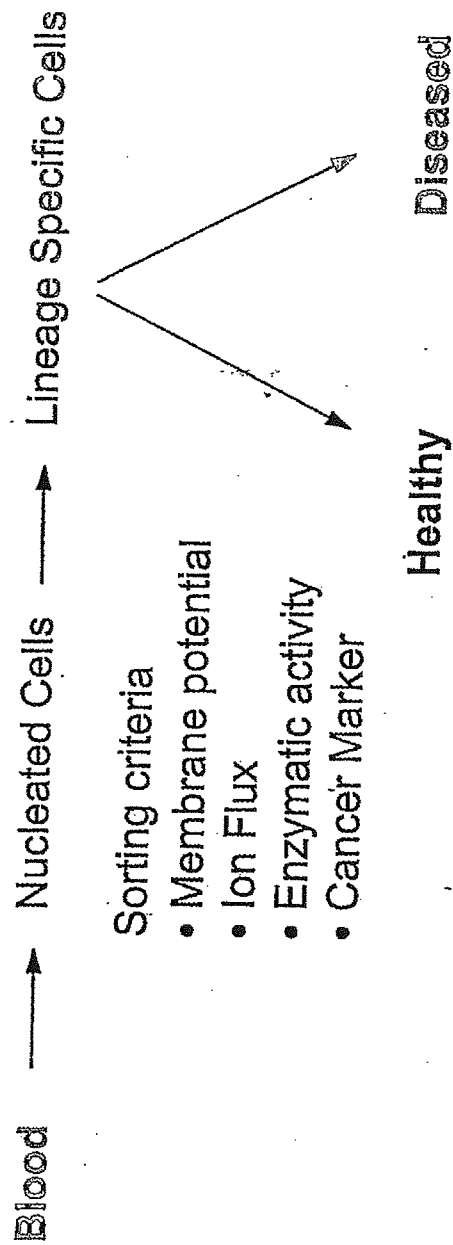
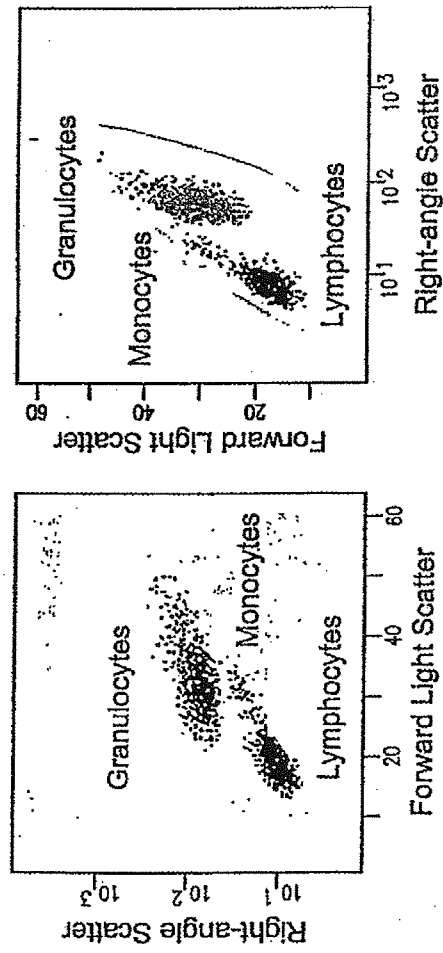


FIG. 19a

Sorting Cell Types From Blood



Cell types from peripheral blood cause light scatter in reproducible manners that allow separation without labeling

FIG. 19b

Cell Cycle Differences

DNA Content of Asynchronous Cells in Culture

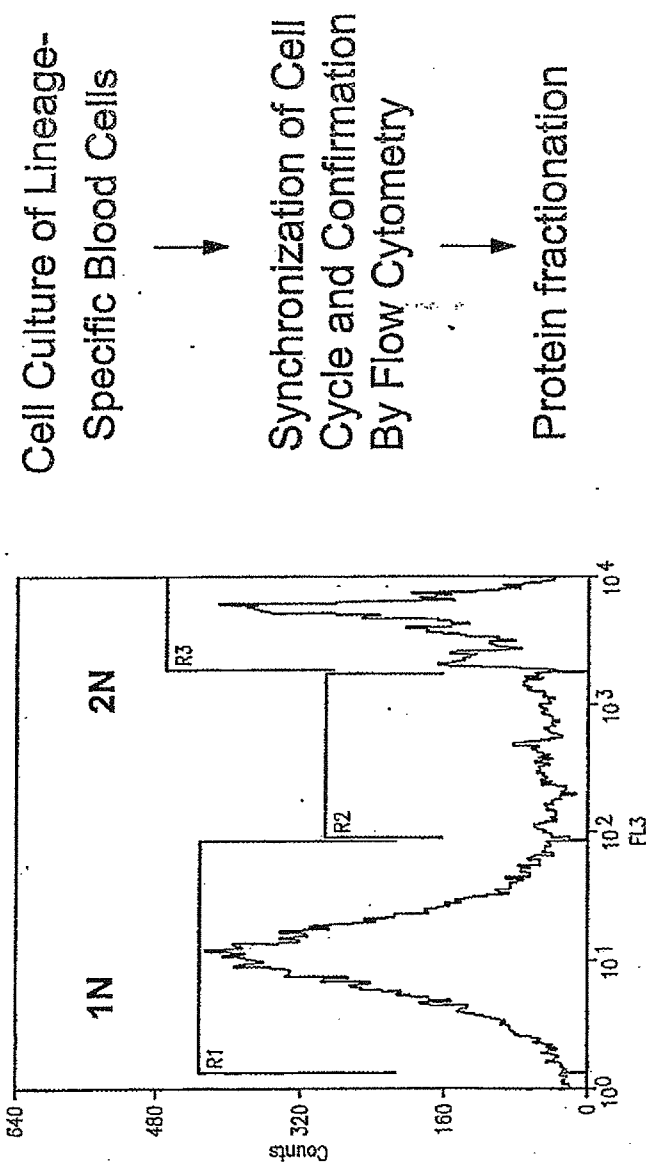


FIG. 19c

Schematic of Biomolecule Capture Method

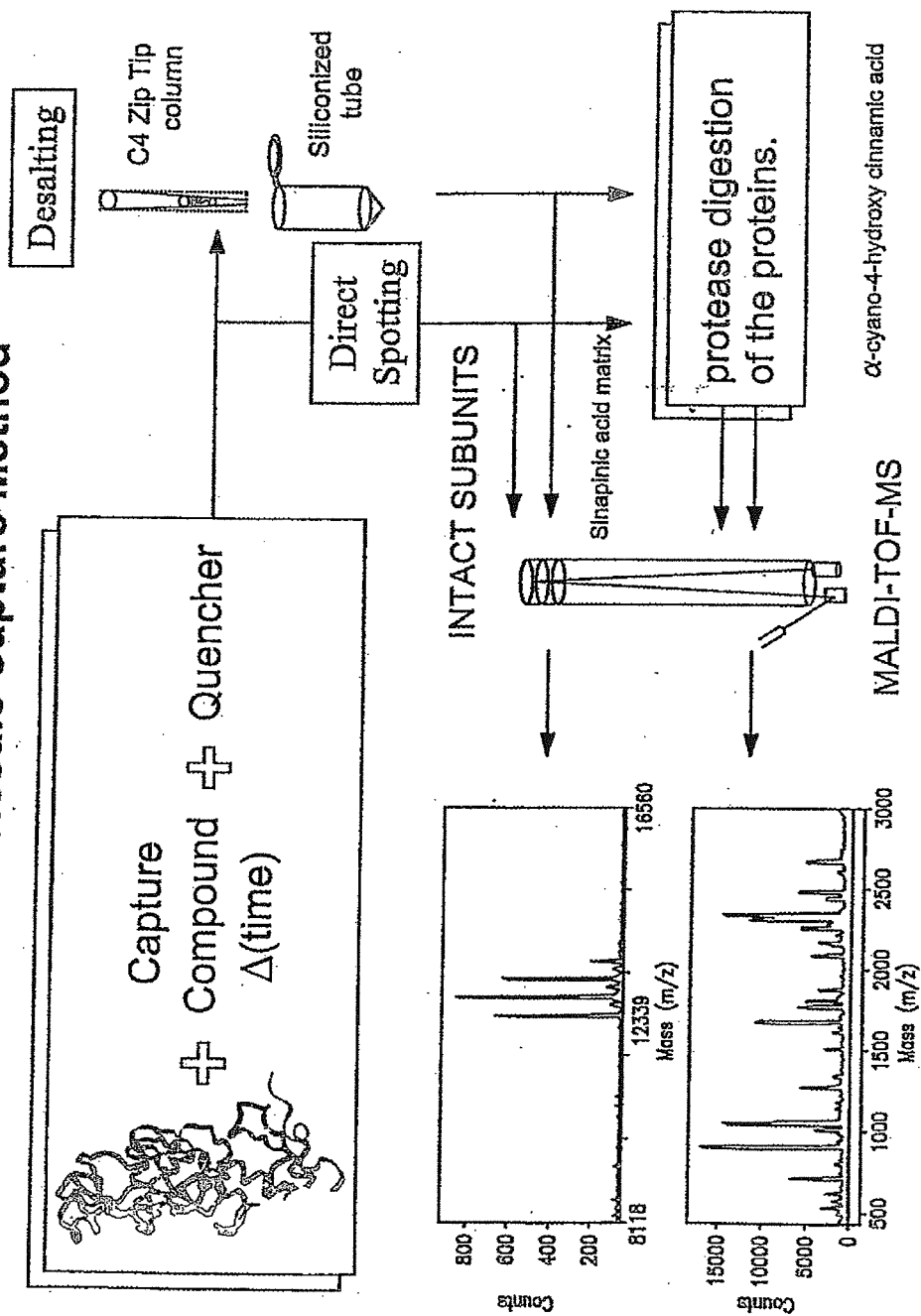


FIG. 20a

Lysozyme

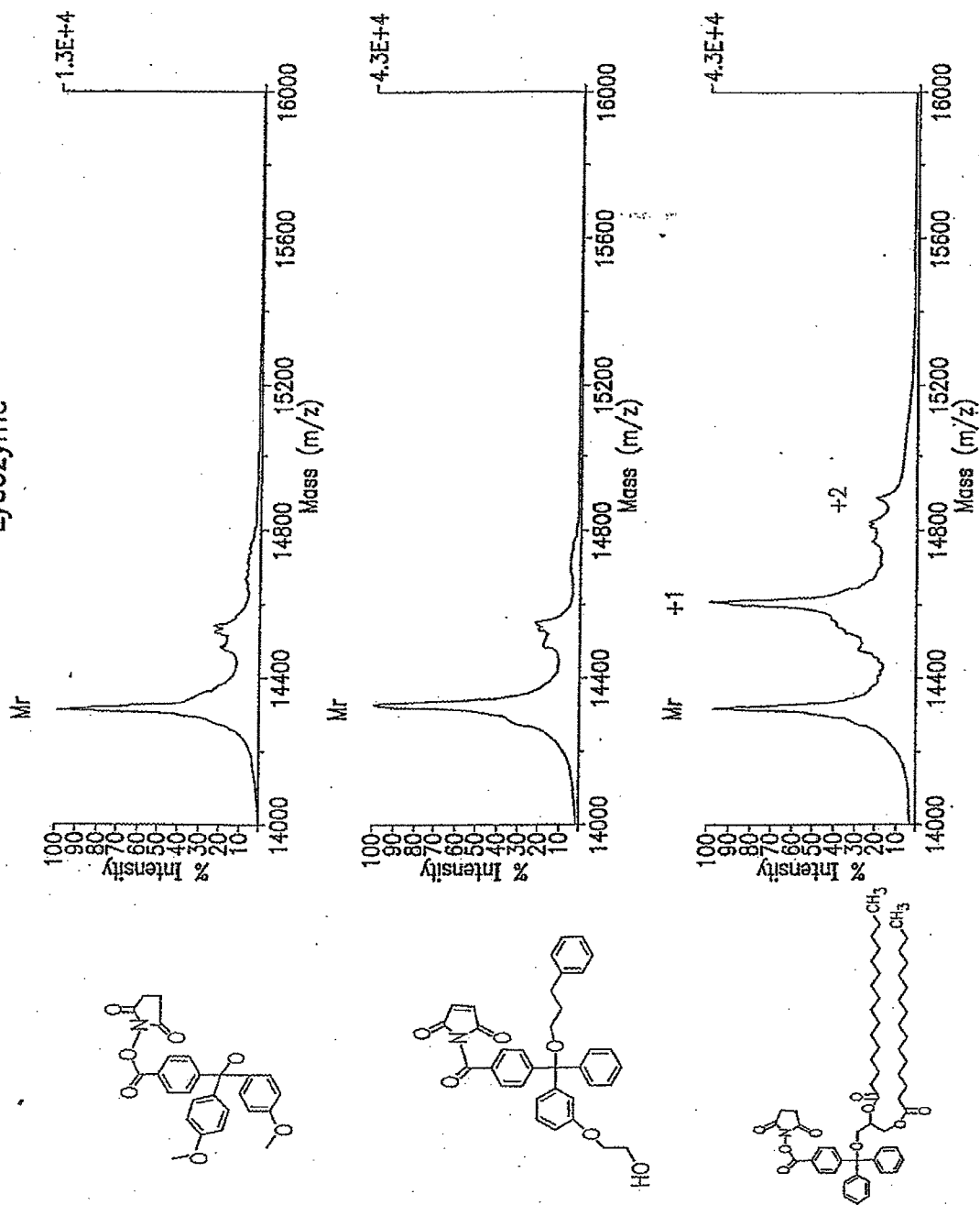


FIG. 20b

Cytochrome C

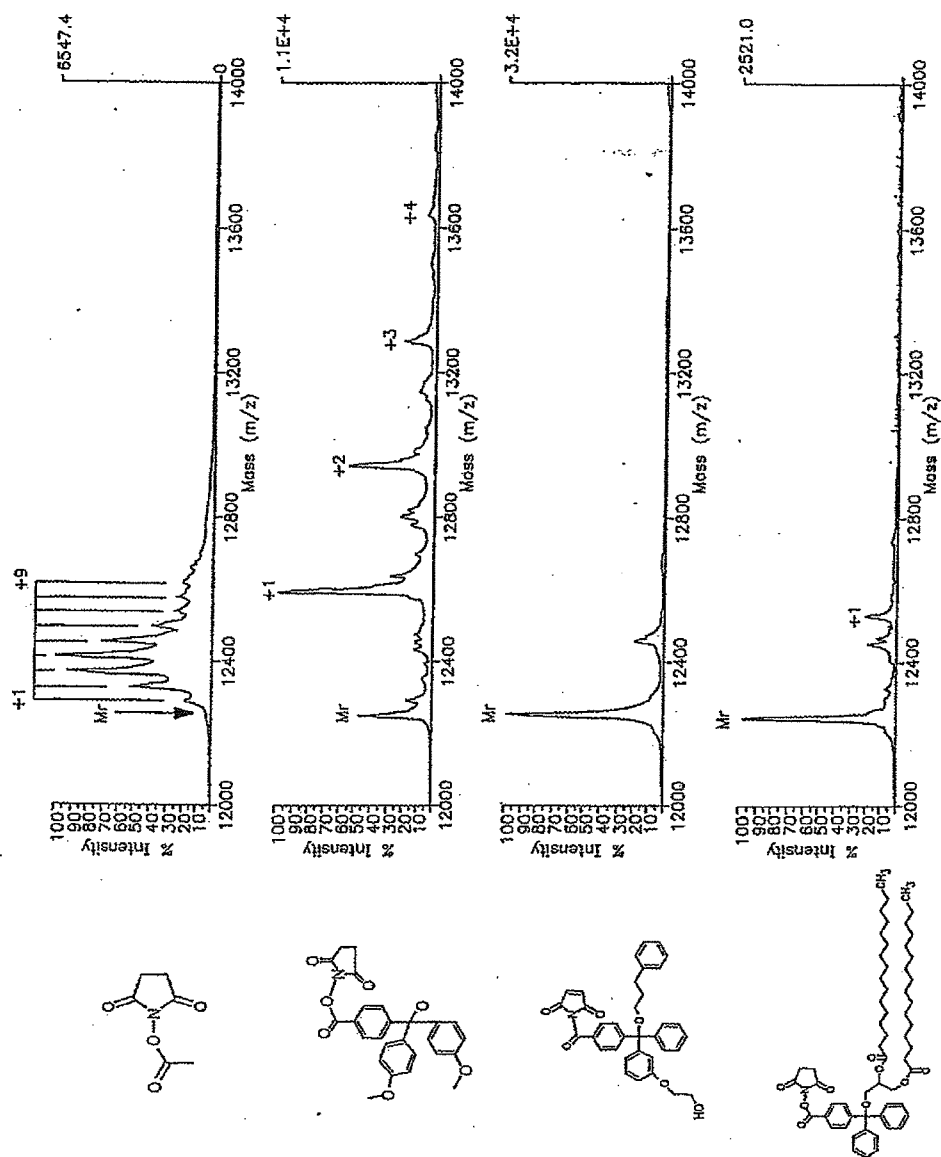
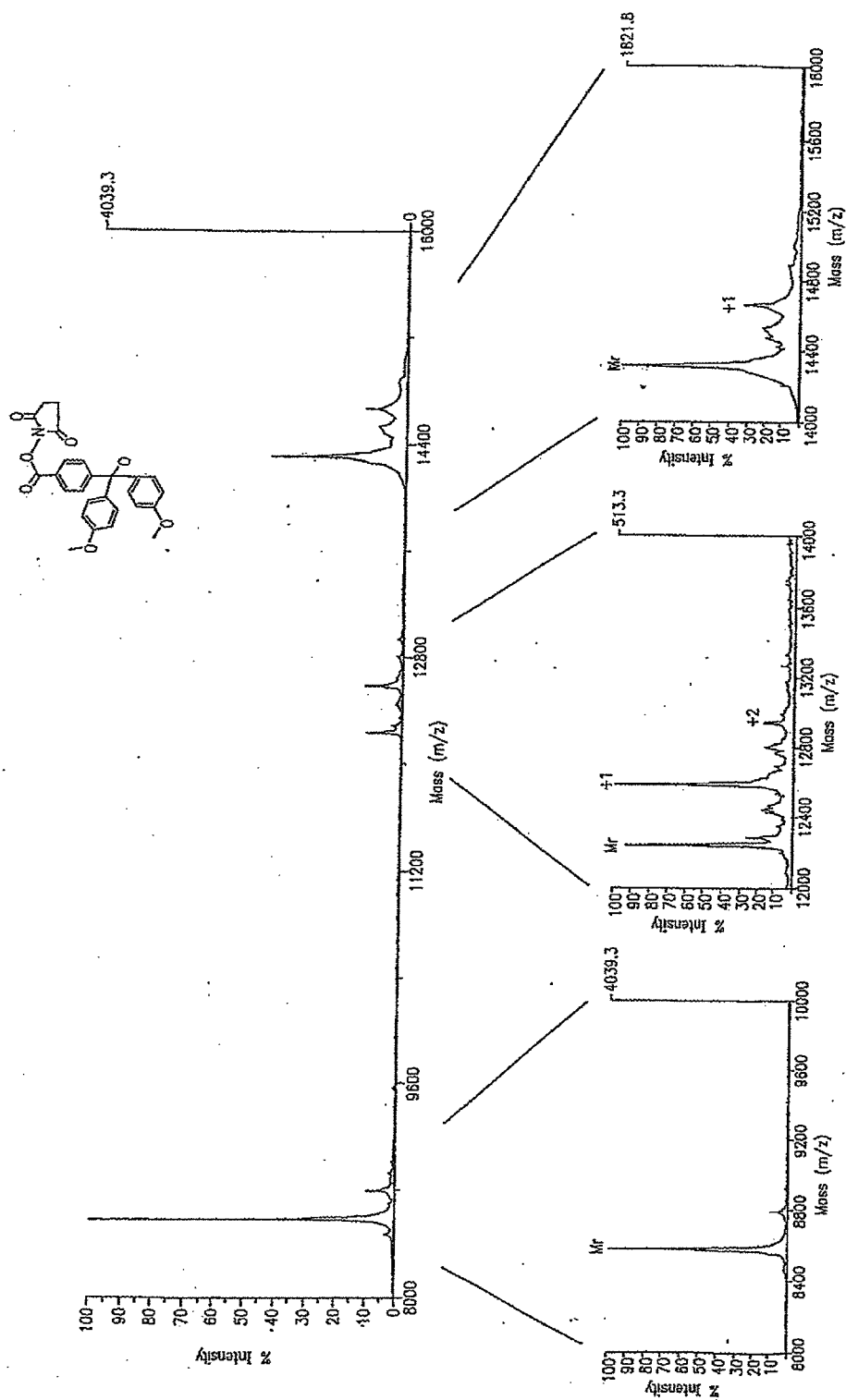
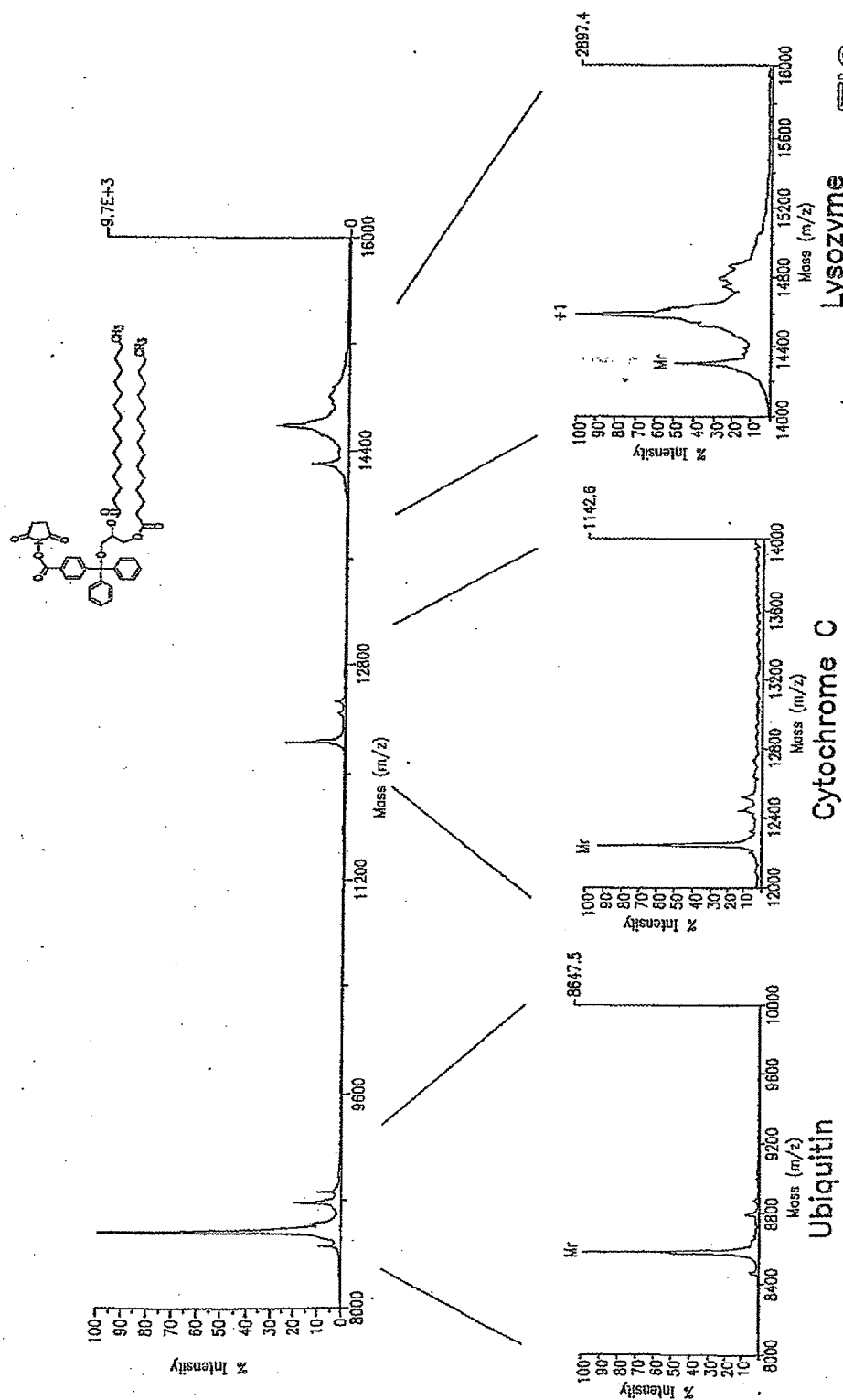


FIG. 20c



Ubiquitin Cytochrome C Lysozyme FIG. 20d



NON
G
L

Cytochrome C (18 Lys) Reaction with Non-Specific Compound

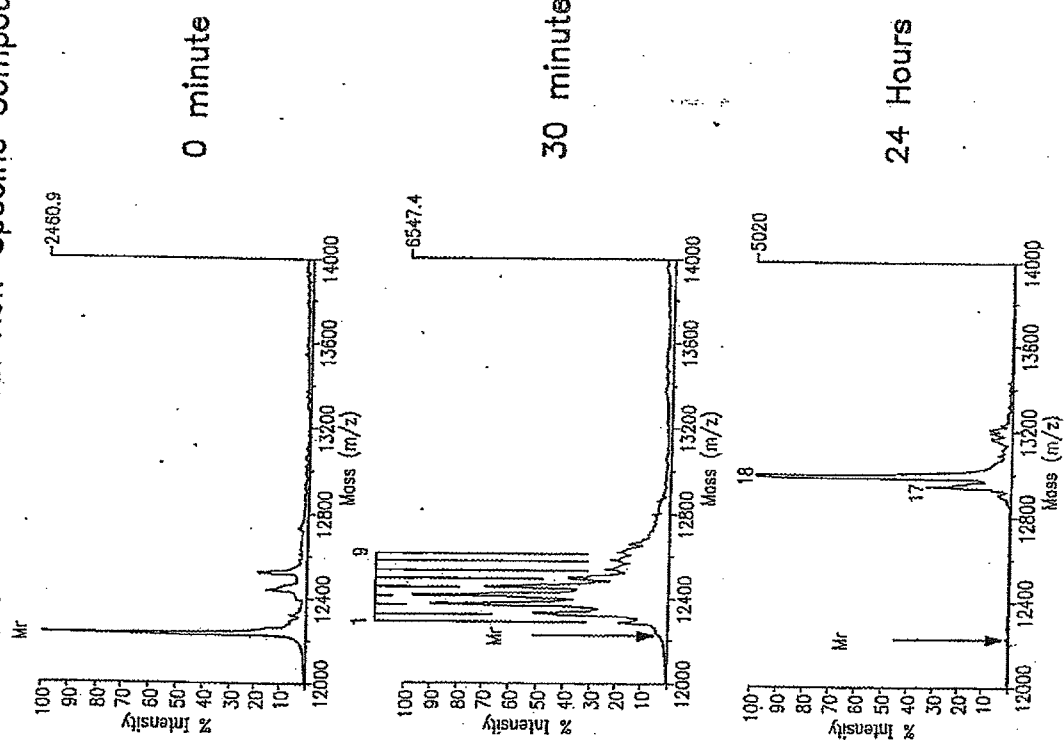
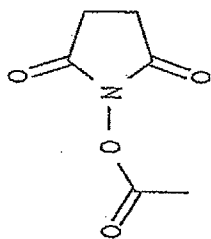
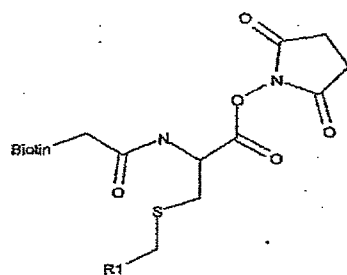


FIG. 20f



R1 (Selectivity Function)

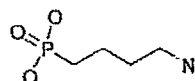
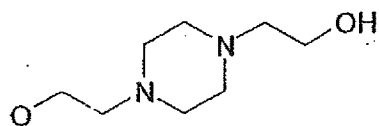
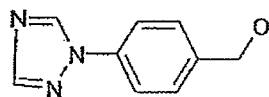
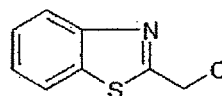
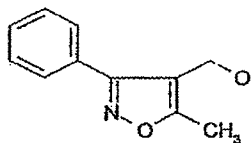
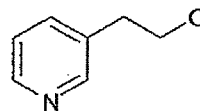
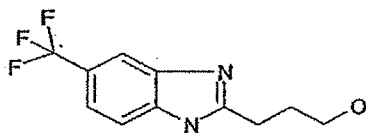
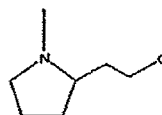
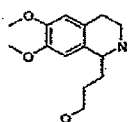
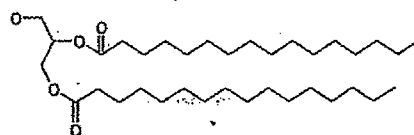
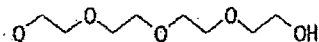


FIG. 21A

Hemoglobin

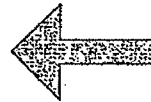
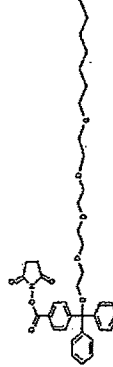
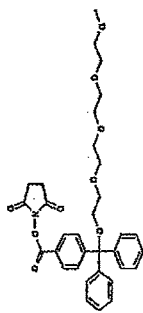
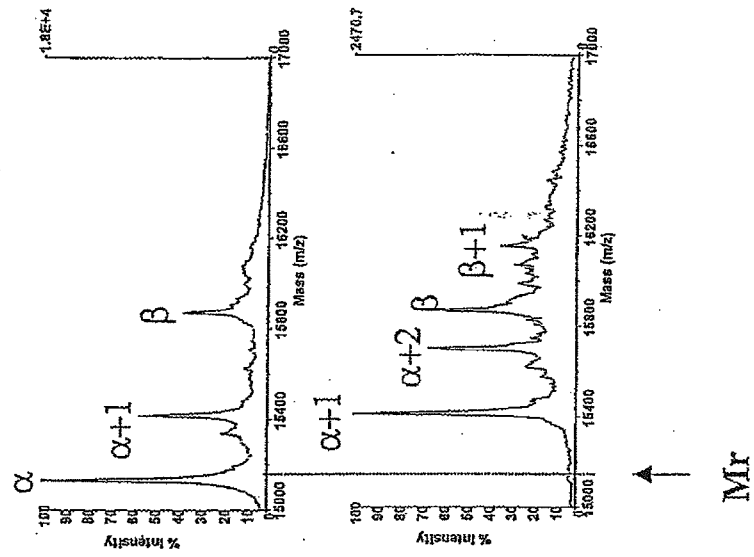


FIG. 22

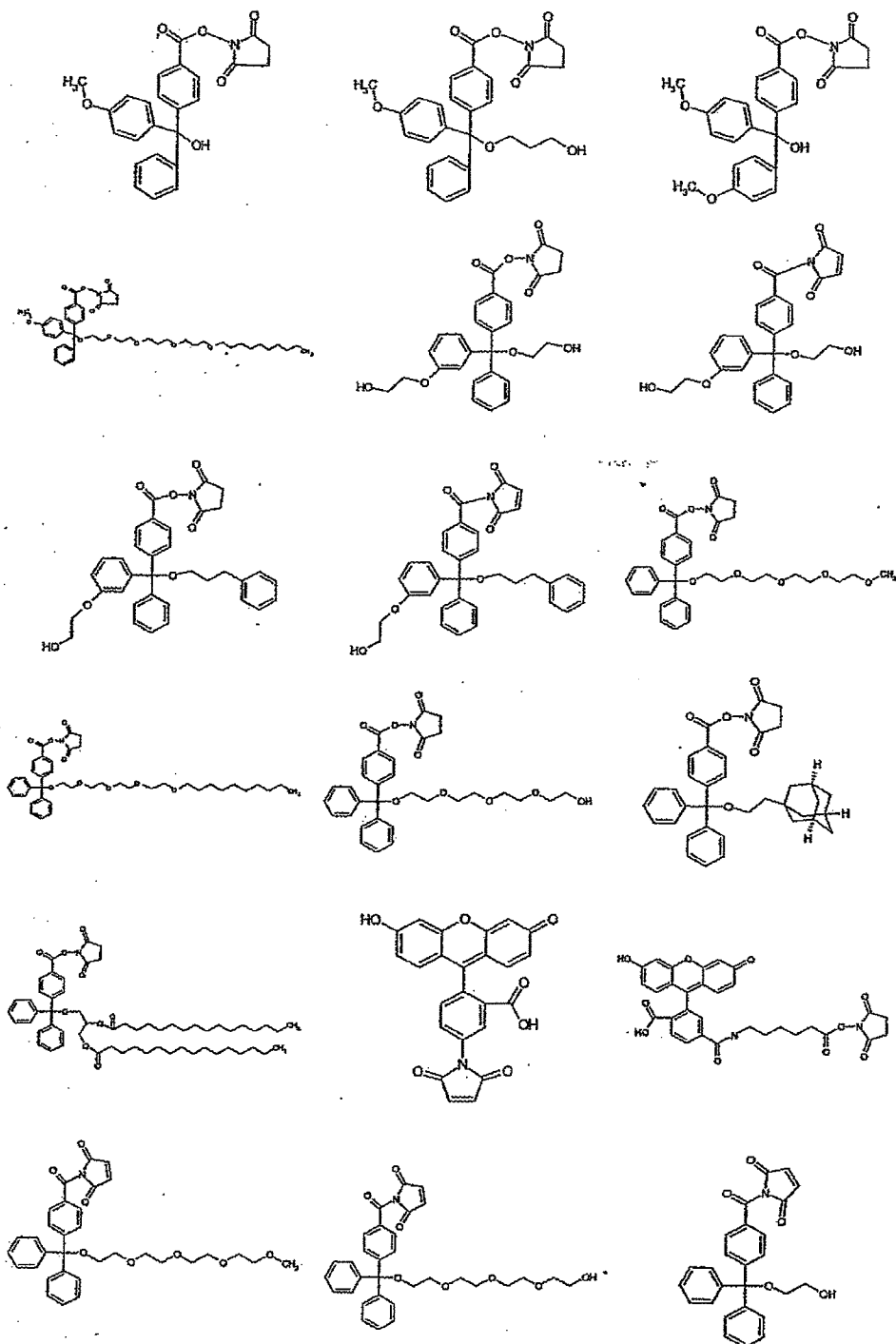


FIG. 23A

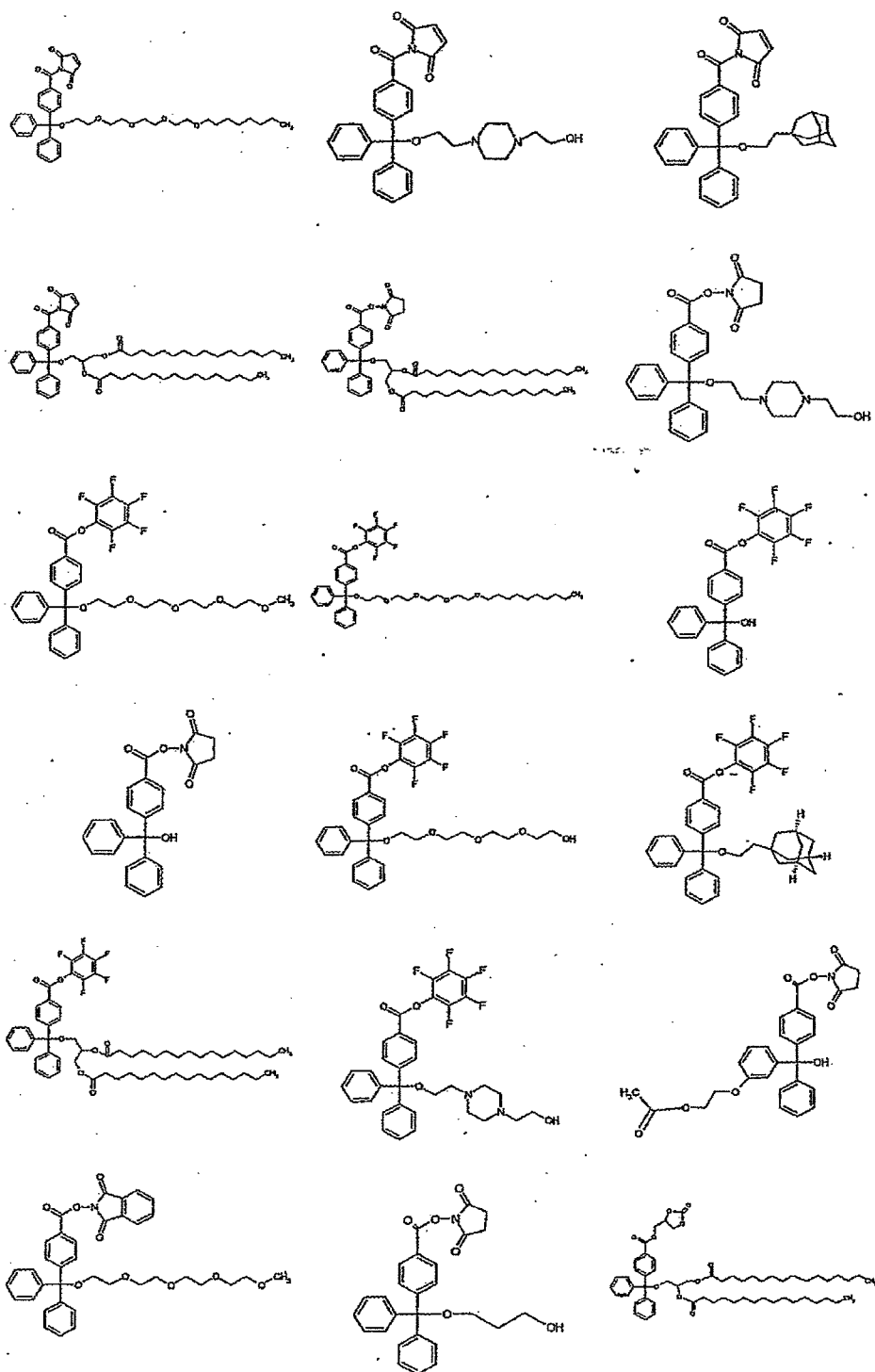


FIG. 23B

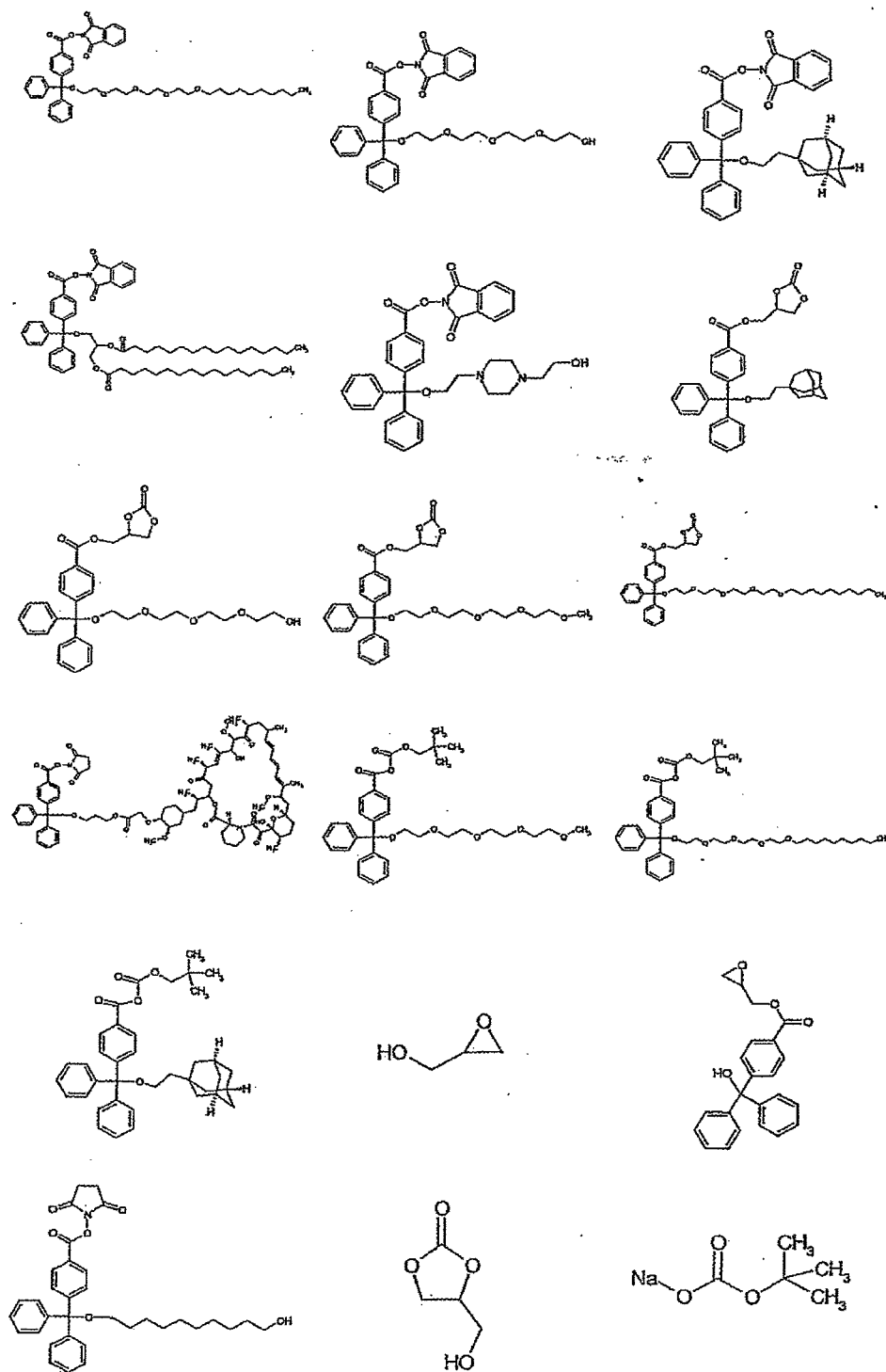


FIG. 23C

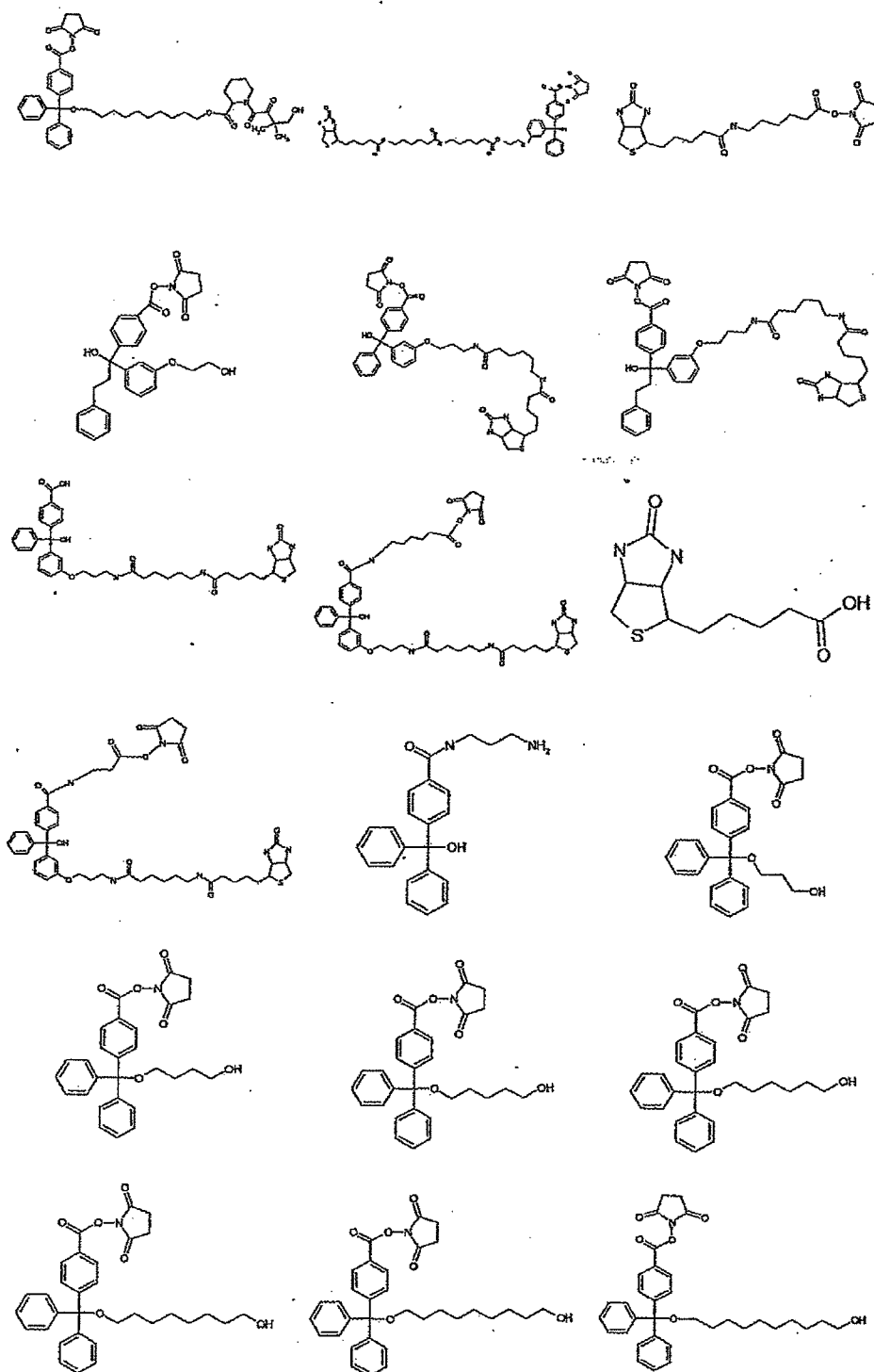


FIG. 23D

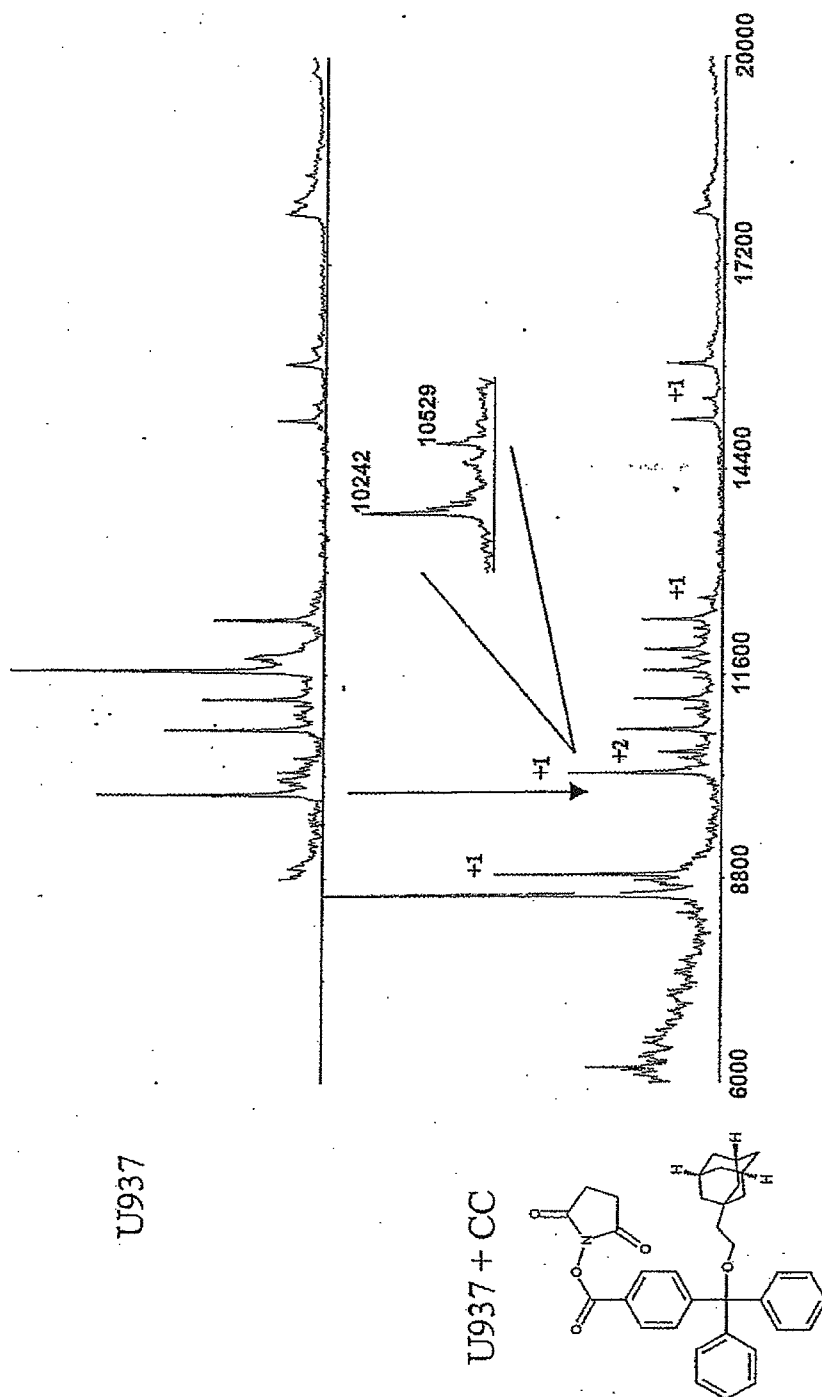
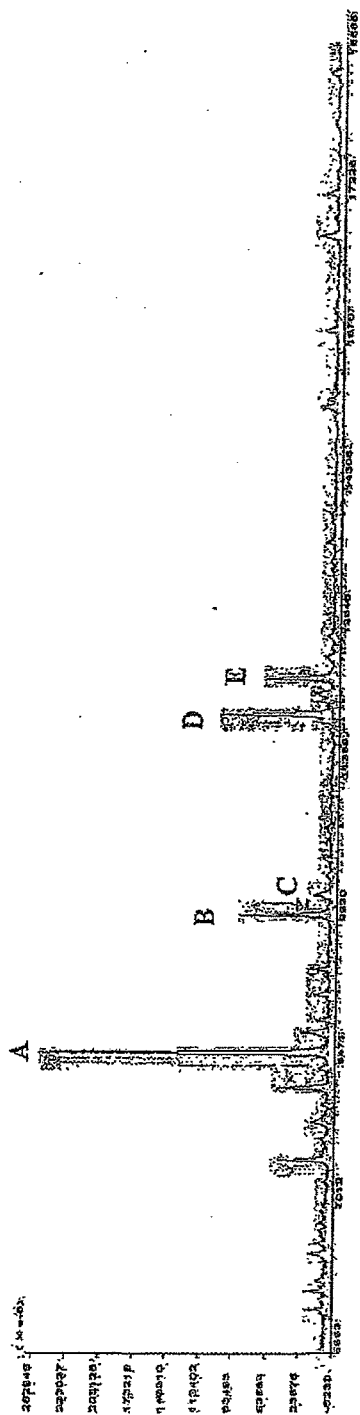


FIG. 24

Burkitt's Lymphoma Cytosol



Burkitt's Captured Proteins

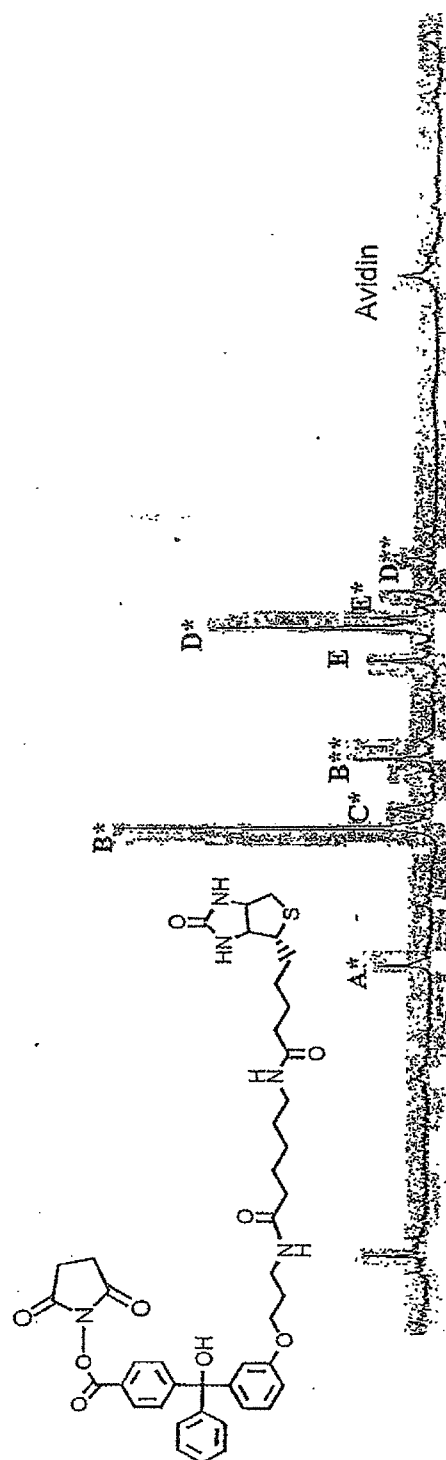
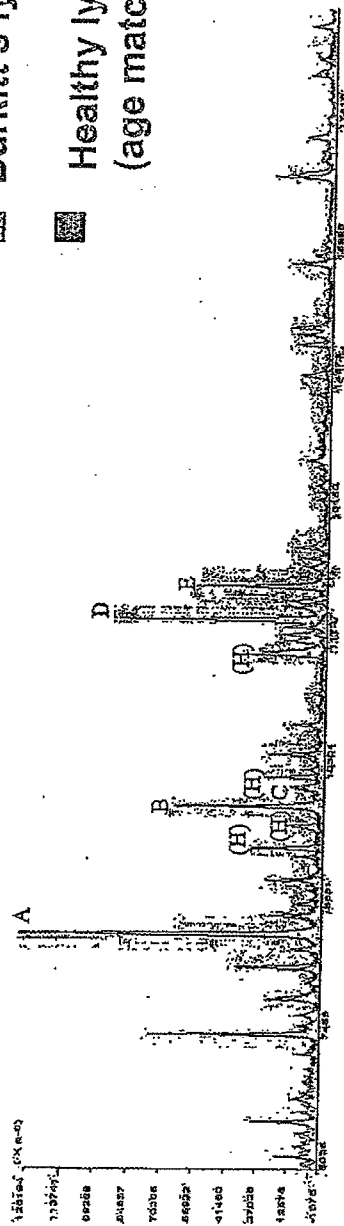


FIG. 25

Ramos vs. WIL-2 : Total Cytosol

Burkitt's lymphoma
 Healthy lymphoblast
 (age matched)



Ramos vs. WIL-2: Capture

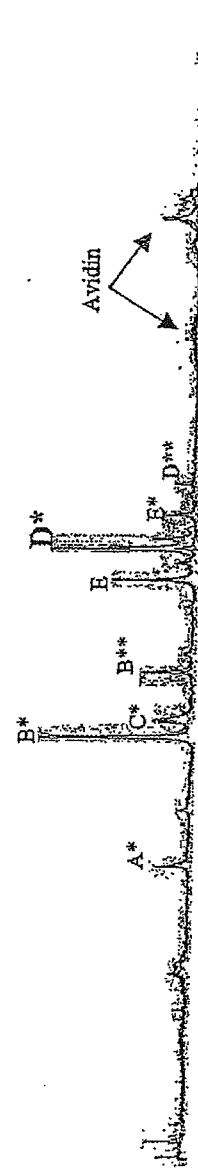
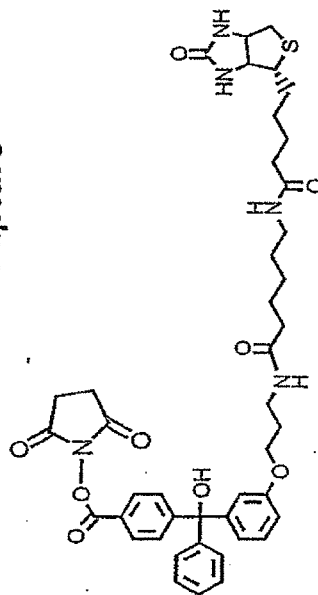


FIG. 26

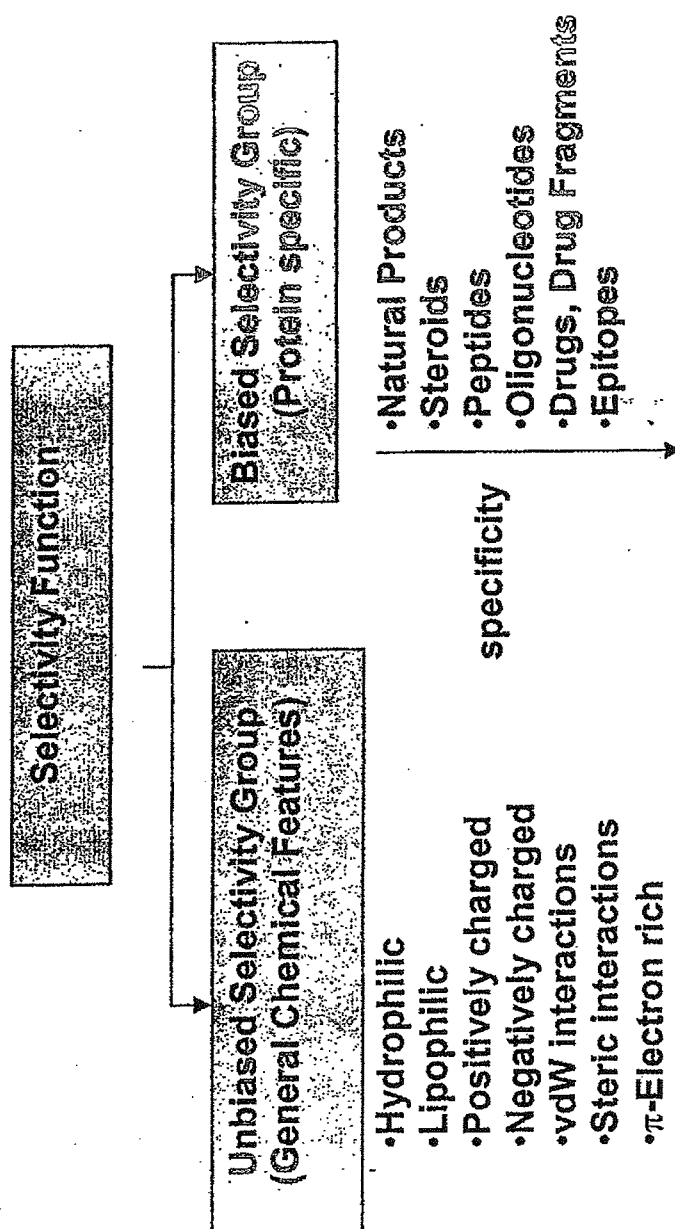


FIG. 27

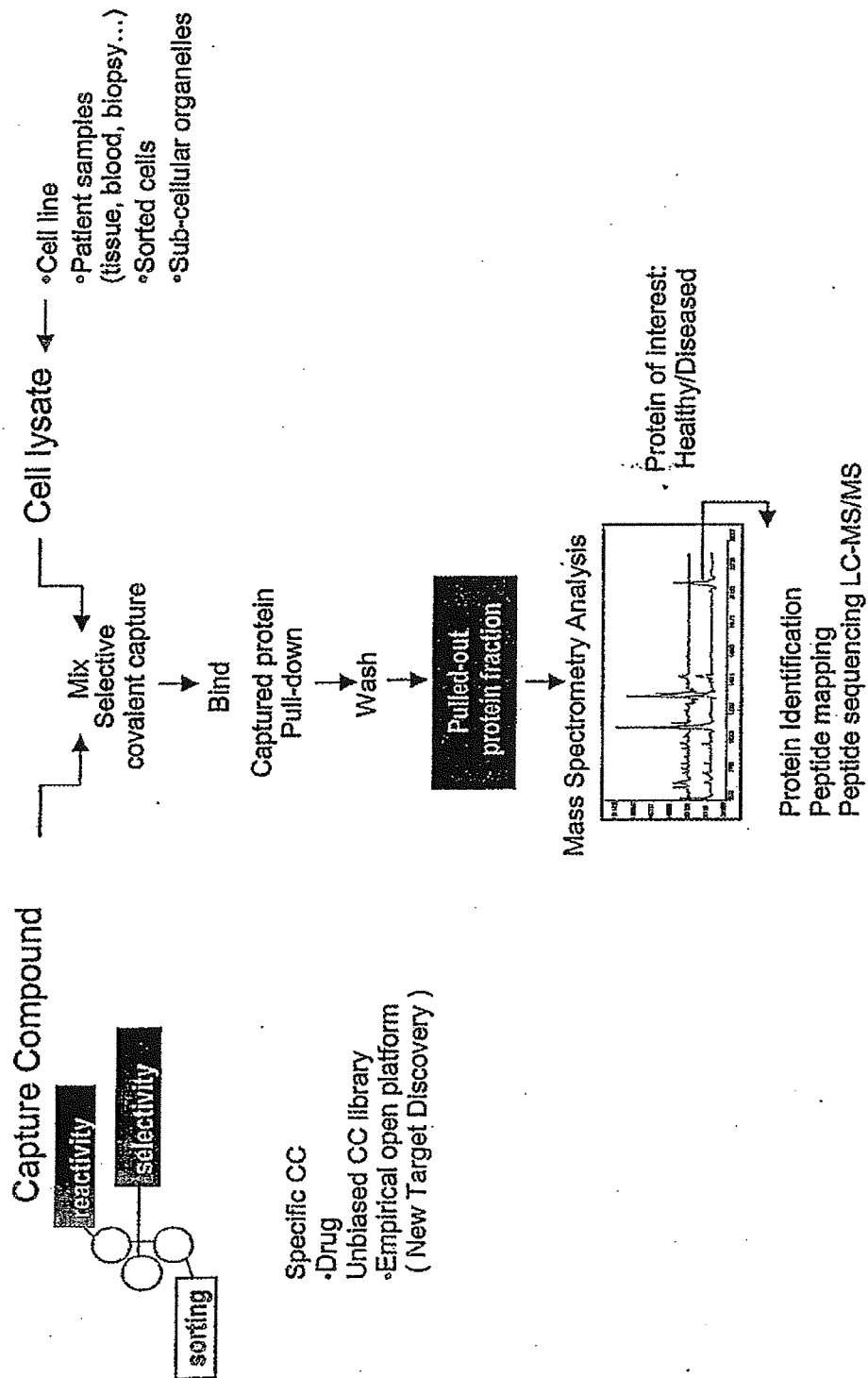


FIG. 28

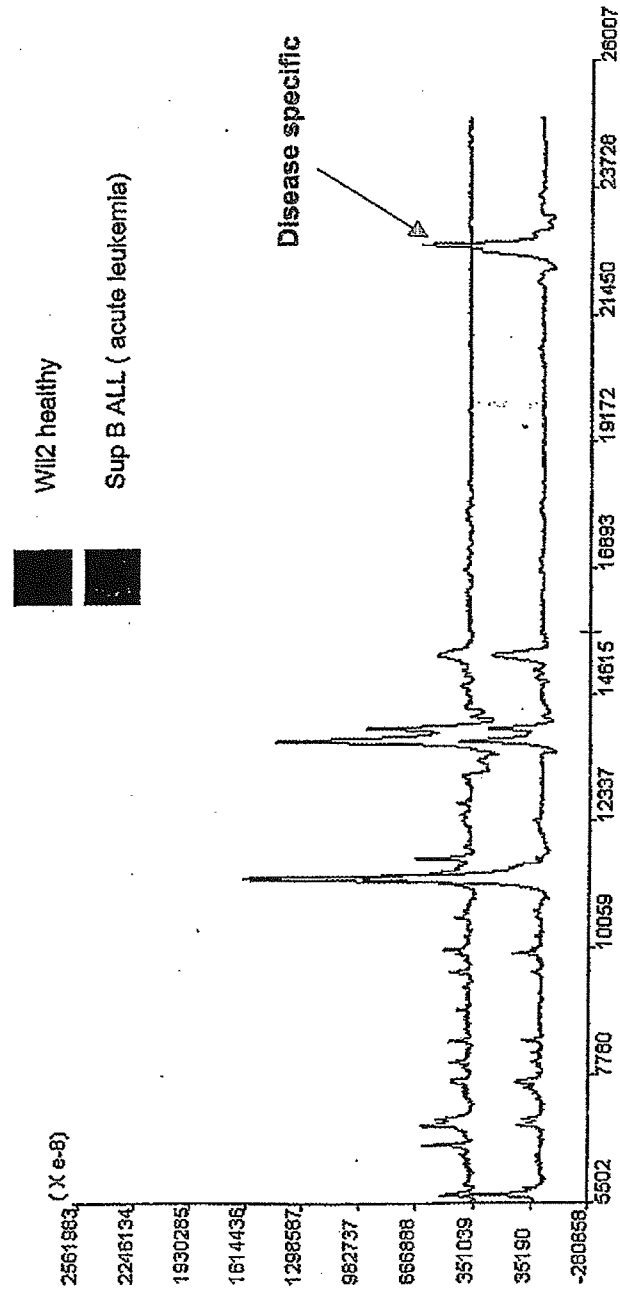


FIG. 29

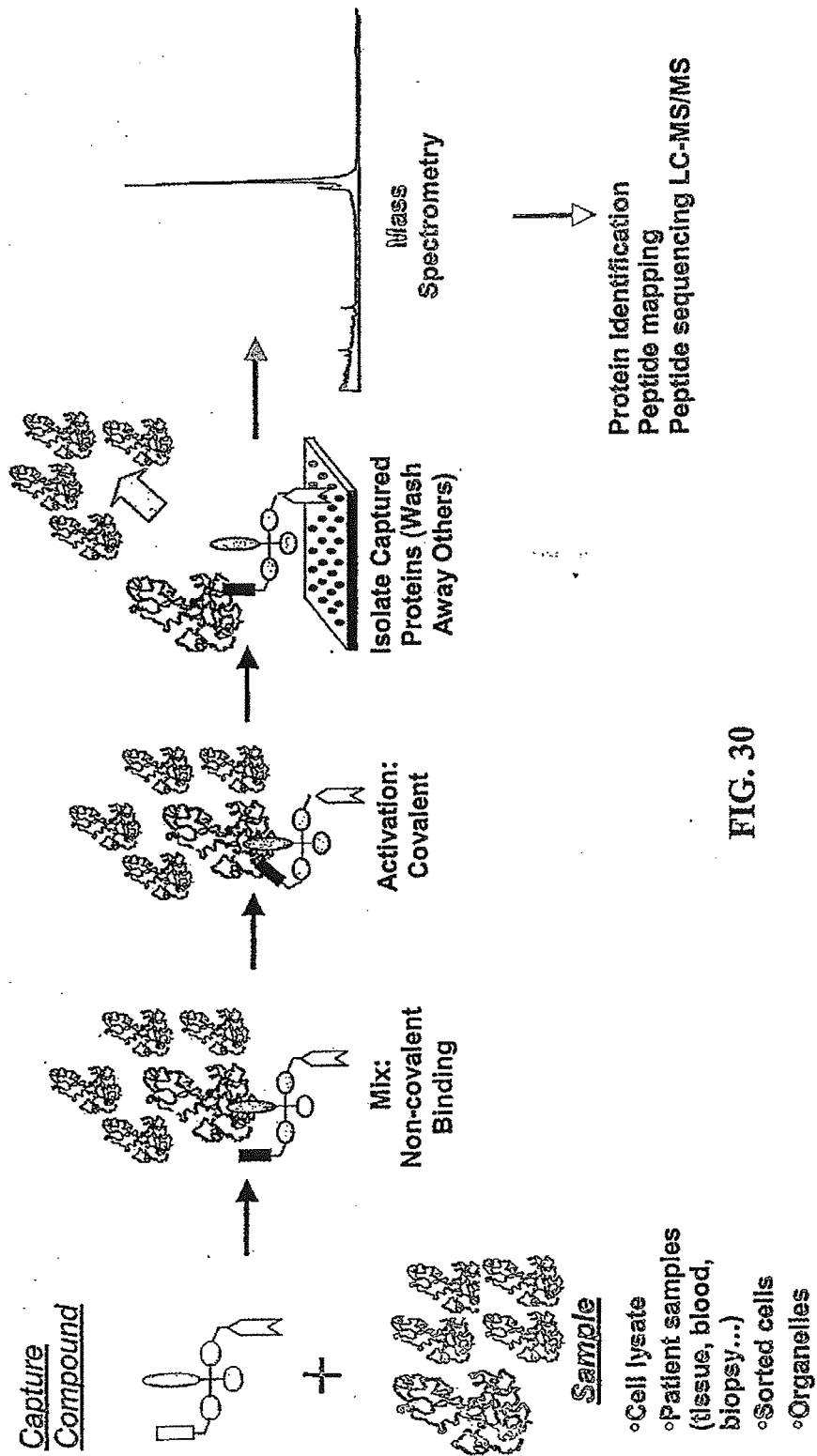


FIG. 30

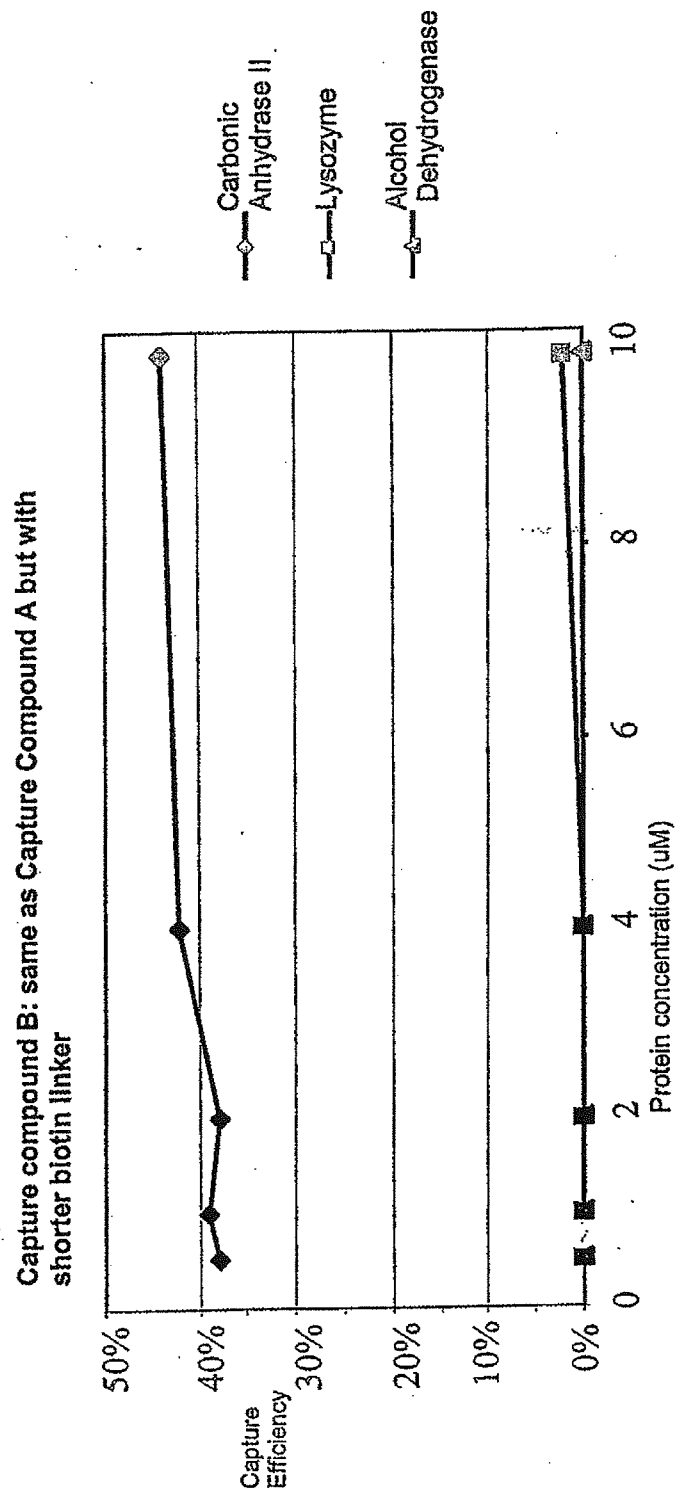


FIG. 31