FIG. 1

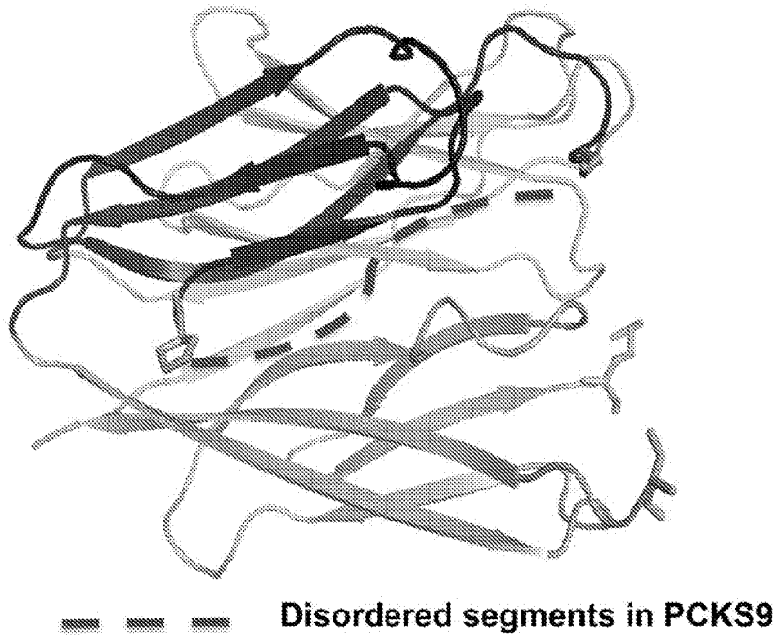


FIG. 2

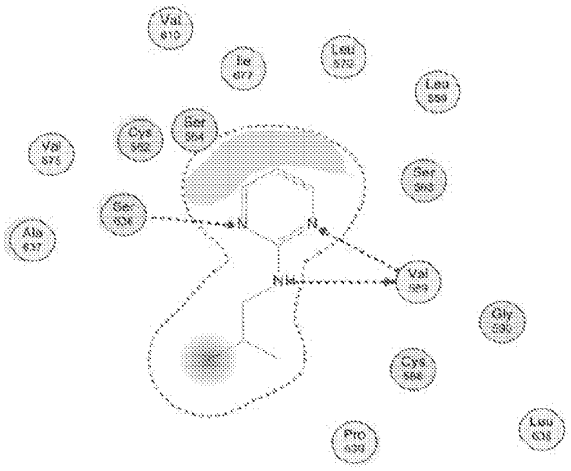

Val 610
Ile 607
Leu 572
Leu 559
Cys 560
Ser 564
Val 571
Ser 568
Ser 568
Ala 617
Val 569
Gly 562
Cys 566
Leu 618
Pro 620

FIG. 3

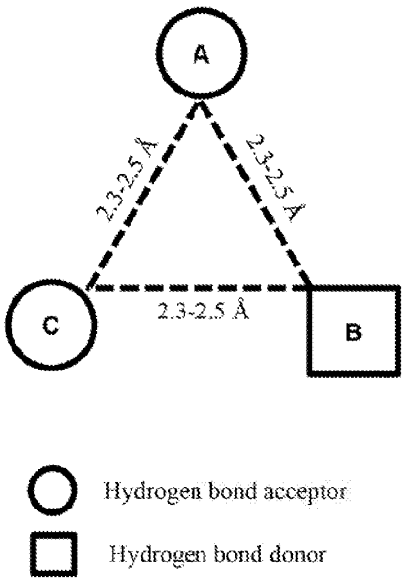

A
2.3-2.5 Å
2.3-2.5 Å
C
2.3-2.5 Å
B
Hydrogen bond acceptor
Hydrogen bond donor

FIG. 4

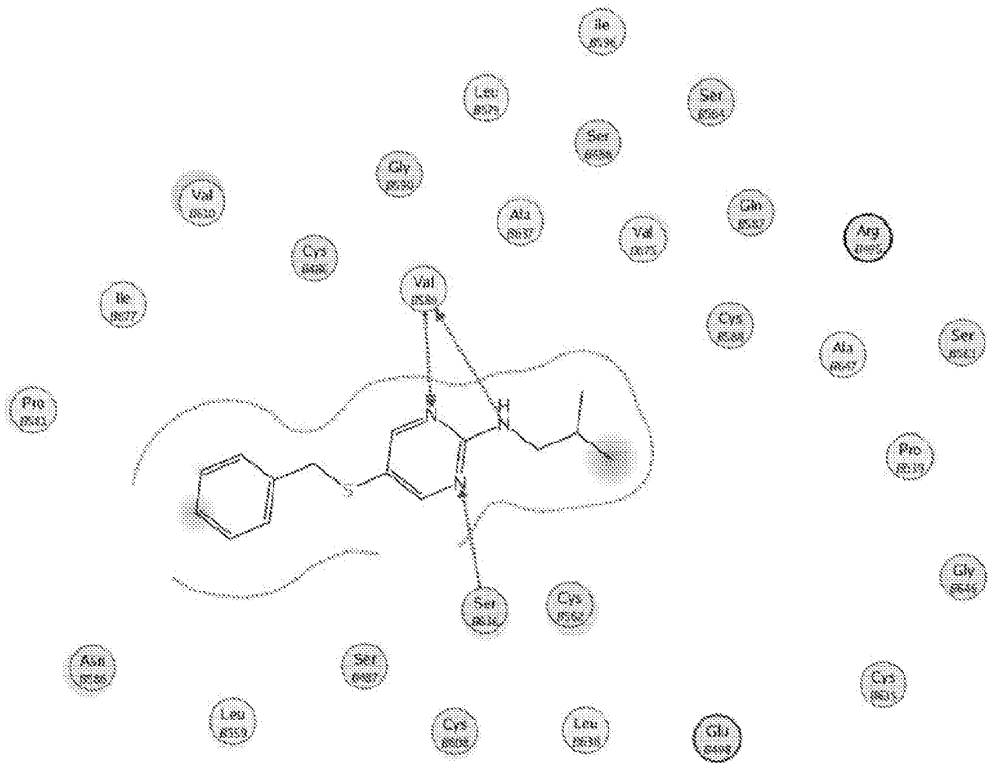

Ile
Leu
Ser
Ser
Gly
Val
Ala
Leu
Val
Arg
Cys
Val
Ile
Cys
Ala
Ser
Pro
Pro
Gly
Ser
Cys
Asn
Ser
Leu
Cys
Leu
Glu

FIG. 5

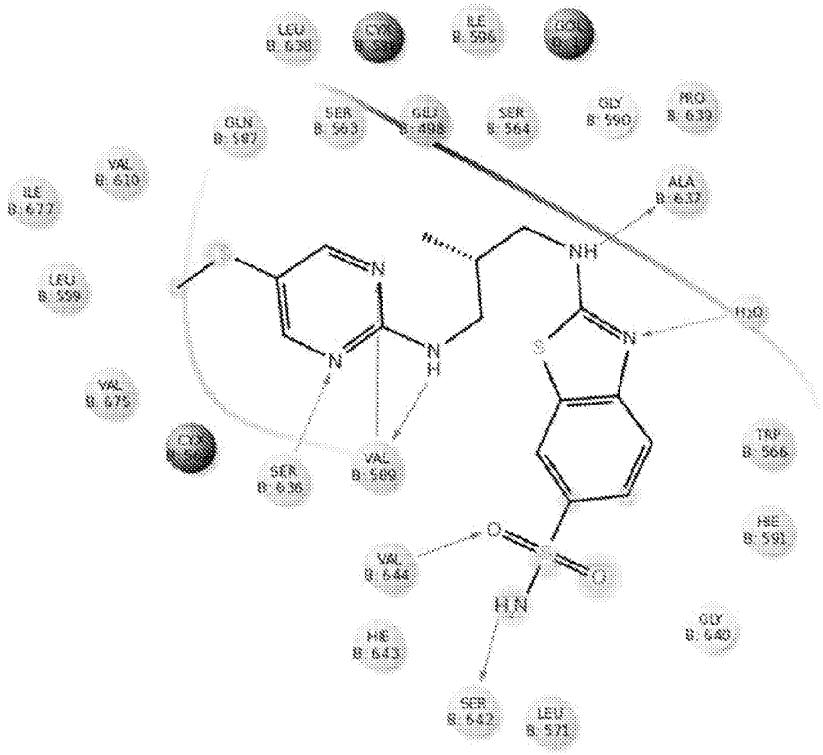

LEU B 638
CYS
ILE B 594
CYS
GLN B 587
SER B 563
GLY B 565
SER B 564
GLY B 590
PRO B 639
ALA B 637
VAL B 610
ILE B 677
LEU B 596
NH
N
N
N
H
S
N
H2O
VAL B 675
CYS
SER B 536
VAL B 599
TRP B 566
HIE B 591
O
VAL B 644
O
H2N
HIE B 643
GLY B 640
SER B 642
LEU B 571

FIG. 6

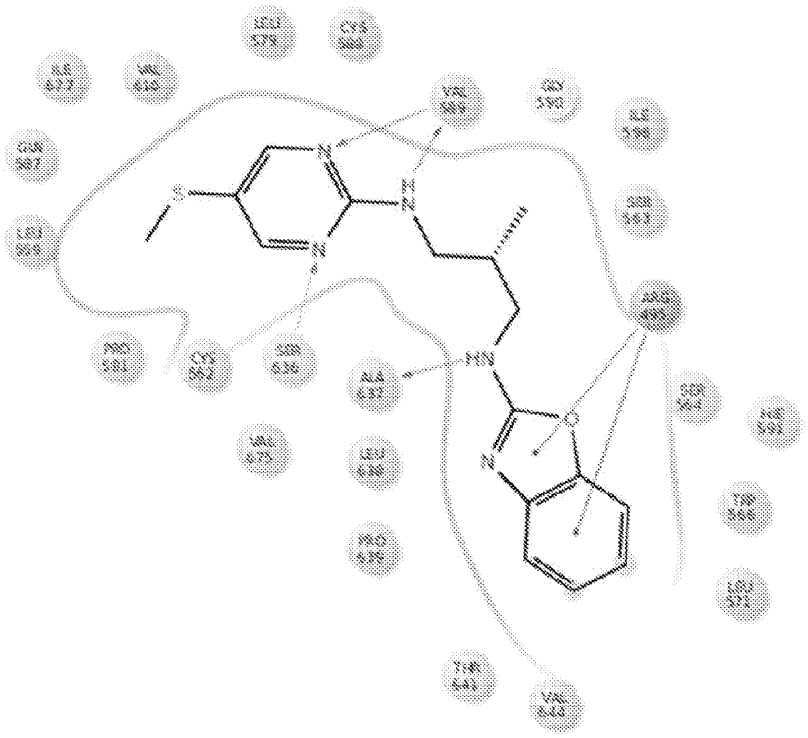


FIG. 7

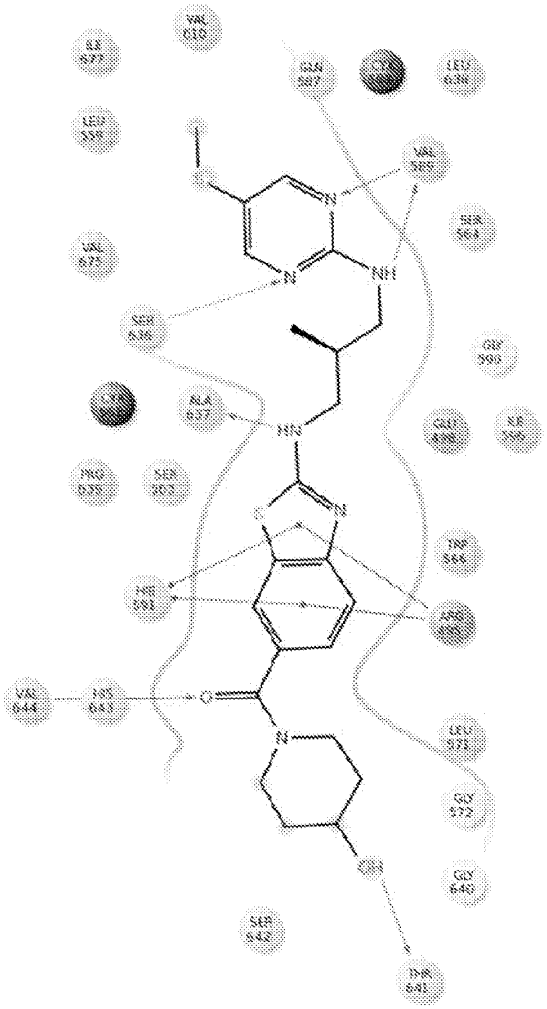


FIG. 8

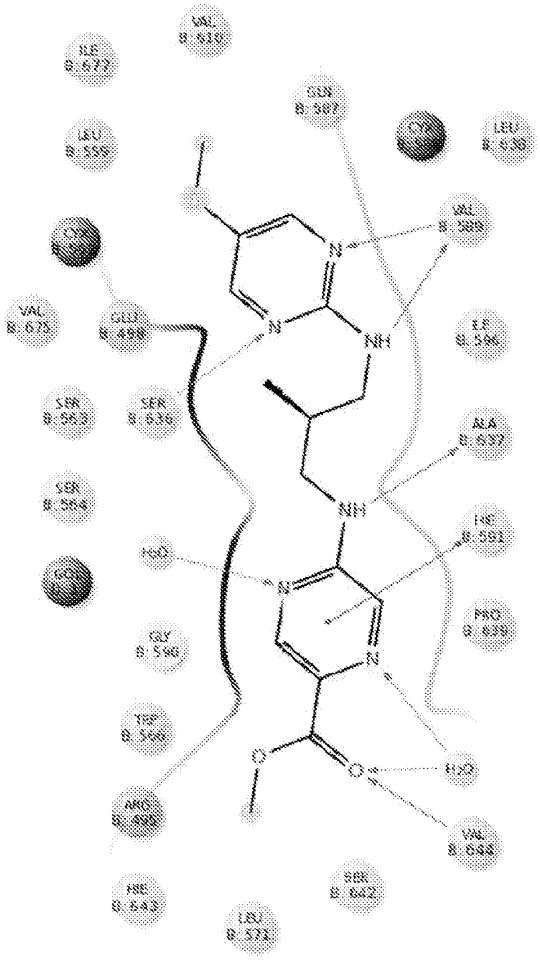
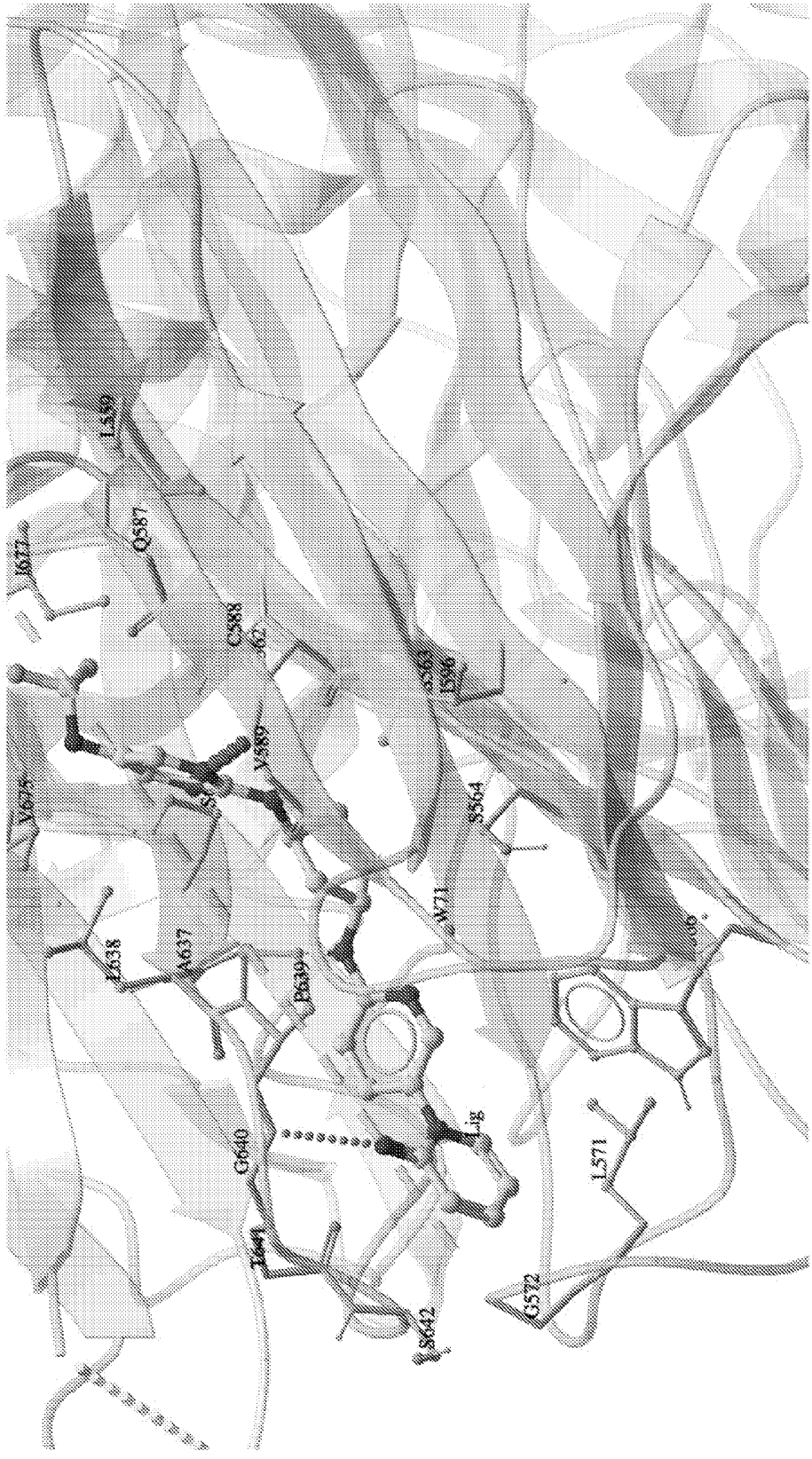

VAL
B 610
ILE
B 677
GLN
B 587
LEU
B 559
LEU
B 630
VAL
B 589
VAL
B 675
GLU
B 488
NH
ILE
B 594
SER
B 563
SER
B 636
ALA
B 637
SER
B 564
NH
HIE
B 591
HOH
PRO
B 639
GLY
B 590
TRP
B 560
HOH
VAL
B 644
ARG
B 642
HIE
B 643
LEU
B 571

FIG. 9


L359
Q587
I672
C588
K2
Y589
S563
I536
V676
S564
W71
E638
A637
P639
G640
L571
G572
S642