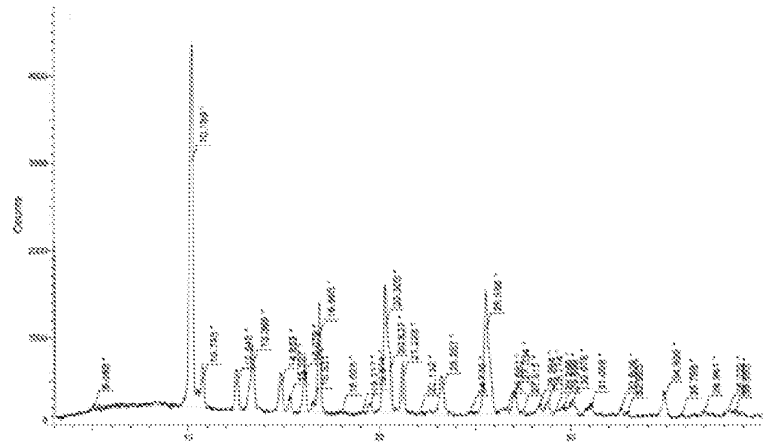


FIG. 1

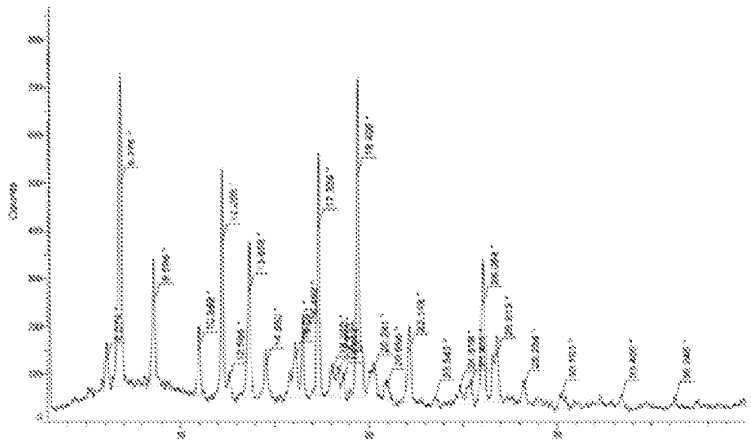


FIG. 2.

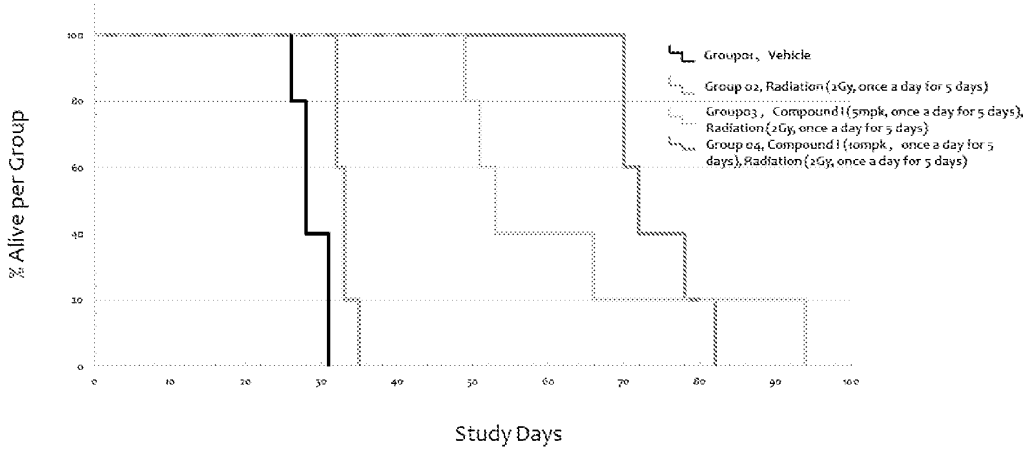

% Alive per Group
Study Days
Group01, Vehicle
Group 02, Radiation (2Gy, once a day for 5 days)
Group03, Compound I (5mpk, once a day for 5 days), Radiation (2Gy, once a day for 5 days)
Group 04, Compound I (10mpk, once a day for 5 days), Radiation (2Gy, once a day for 5 days)

FIG. 3.

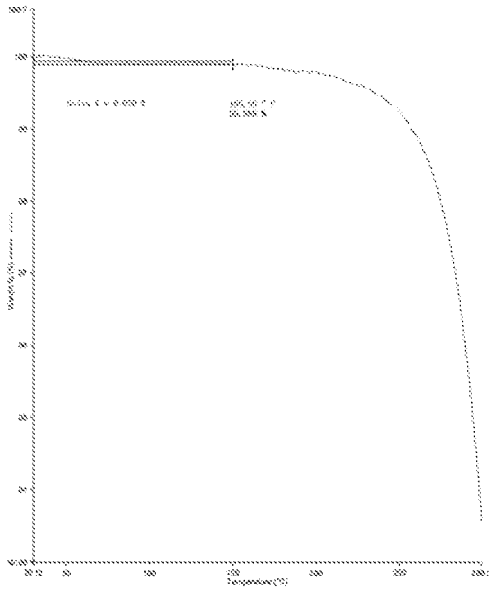


FIG. 4A

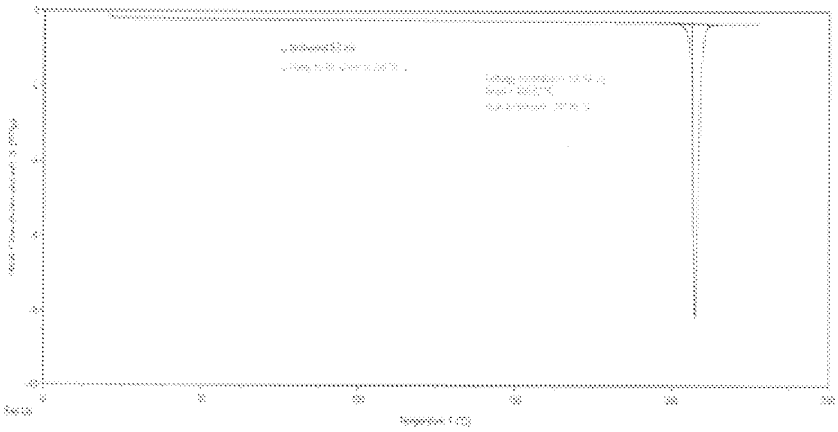


FIG 4B.

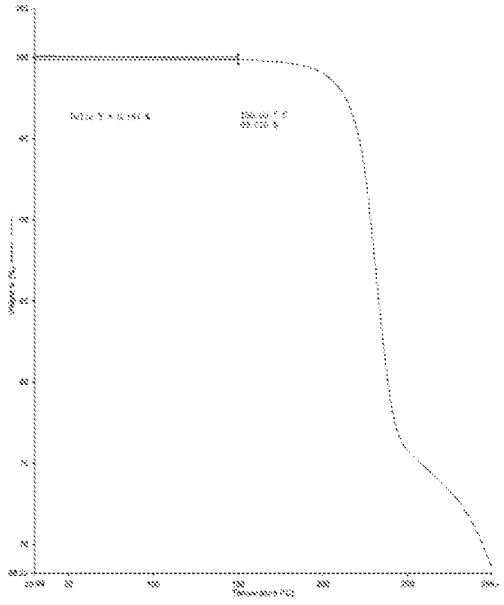


FIG 5A.

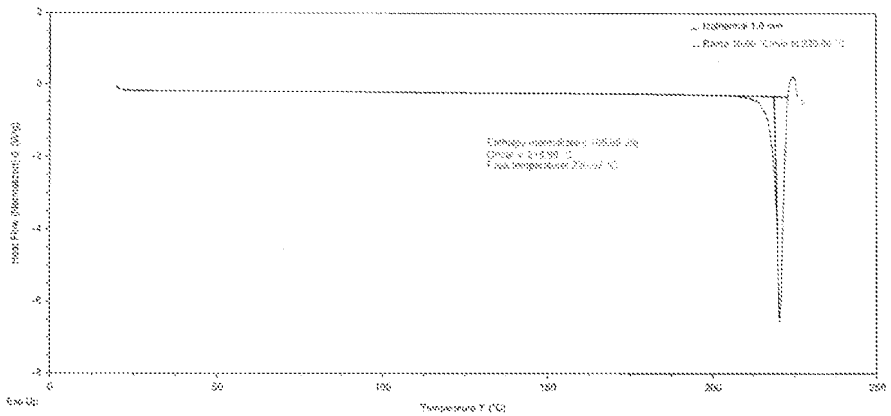


FIG. 5B.

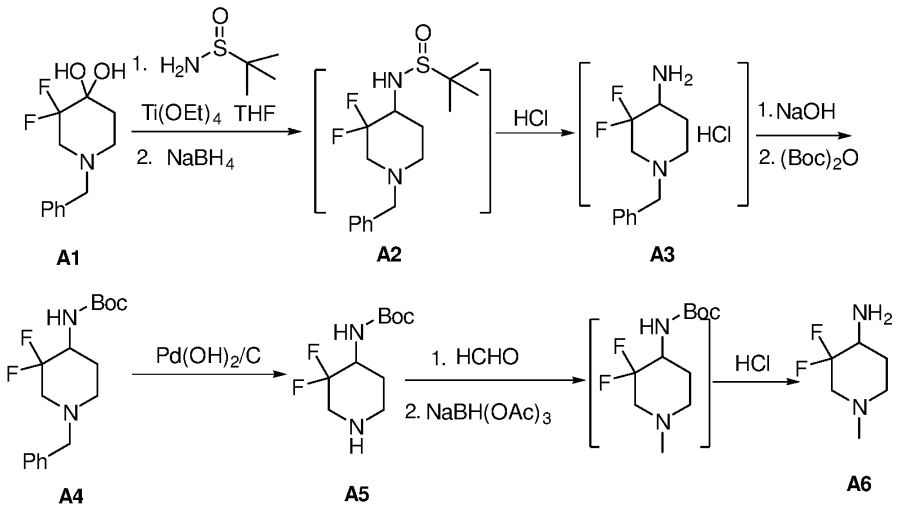

HO OH
F
F
N
Ph
1. H_2N
O
S
Ti(OEt)$_4$ THF
2. NaBH$_4$
HN
HCl
NH_2
1. NaOH
2. (Boc)$_2$O
A1
A2
A3
HN Boc
Pd(OH)$_2$/C
1. HCHO
2. NaBH(OAc)$_3$
H
A4
A5
A6

FIG. 6

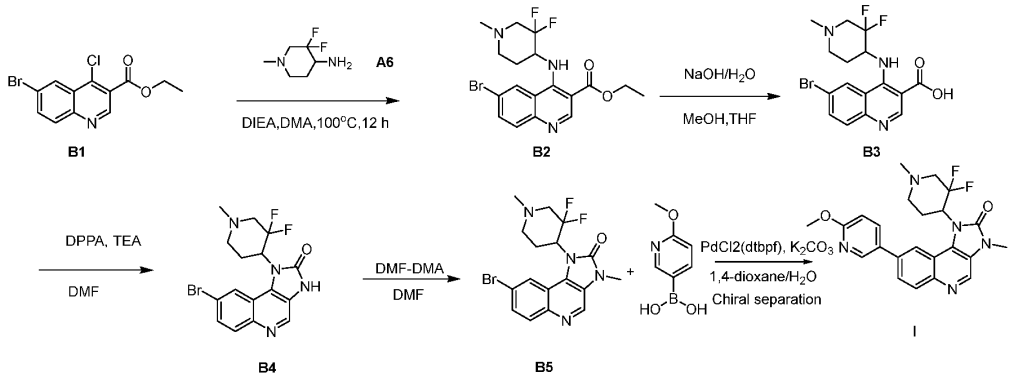

Br
Cl
O
O
B1
F
F
NH2
A6
DIEA,DMA,100°C,12 h
NH
B2
NaOH/H2O
MeOH,THF
OH
B3
DPPA, TEA
DMF
B4
DMF-DMA
DMF
B5
HO
B
OH
PdCl2(dtbpf), K2CO3
1,4-dioxane/H2O
Chiral separation
I

FIG.7