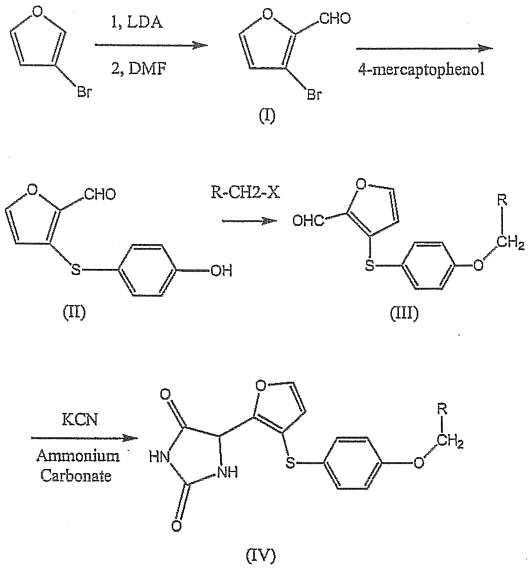

1, LDA
2, DMF
4-mercaptophenol
(I)
R-CH2-X
(II)
(III)
KCN
Ammonium
Carbonate
(IV)

Fig. 1