

Figure 1

FTIR spectrum for *trans*-4-((3-(2-chloro-4-(((2*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylamino)-3-oxopropyl)(methyl)amino)cyclohexyl hydroxy(di-2-thienyl)acetate.

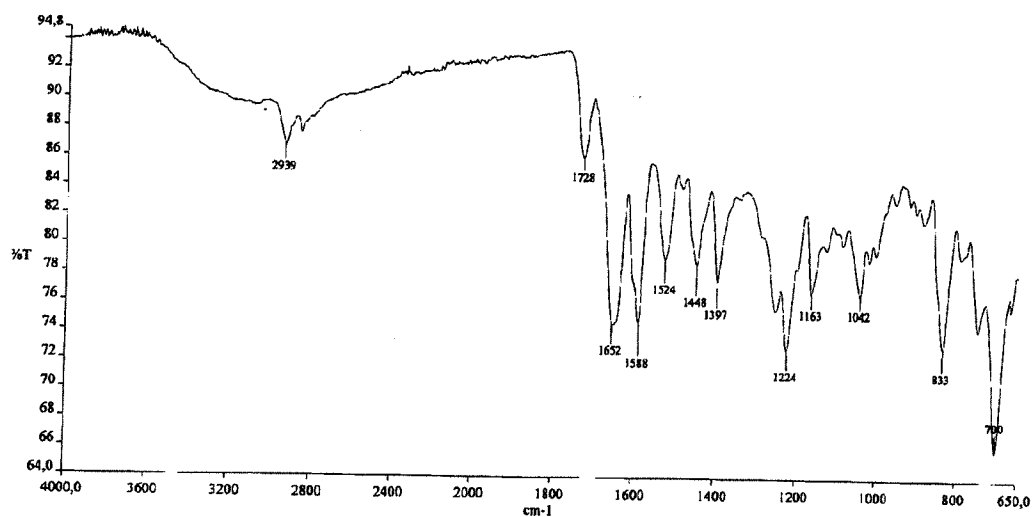


Figure 2

X-ray diffraction (PXRD) pattern for *trans*-4-((3-(2-chloro-4-(((2*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylamino)-3-oxopropyl)-(methyl)amino)cyclohexyl hydroxy(di-2-thienyl)acetate ethanedisulfonate..

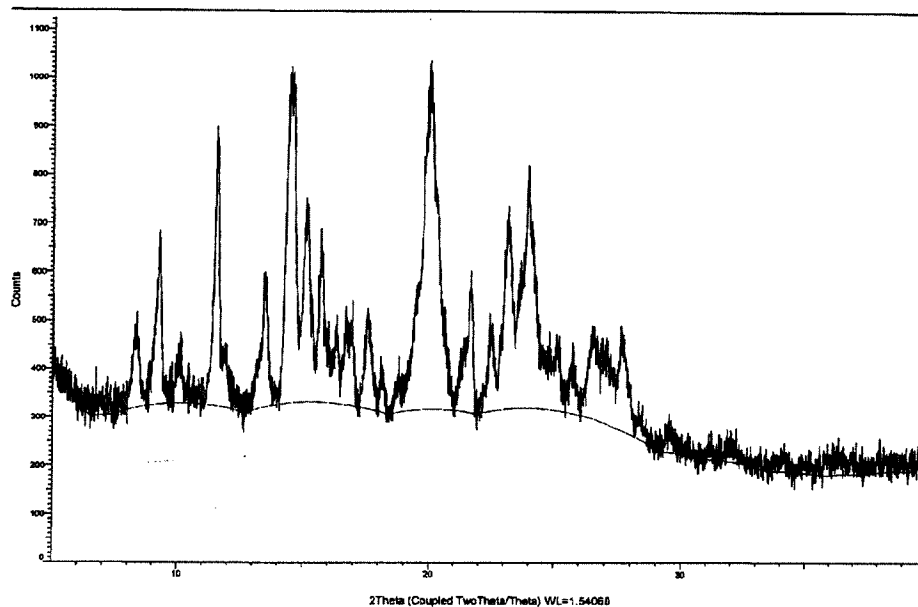
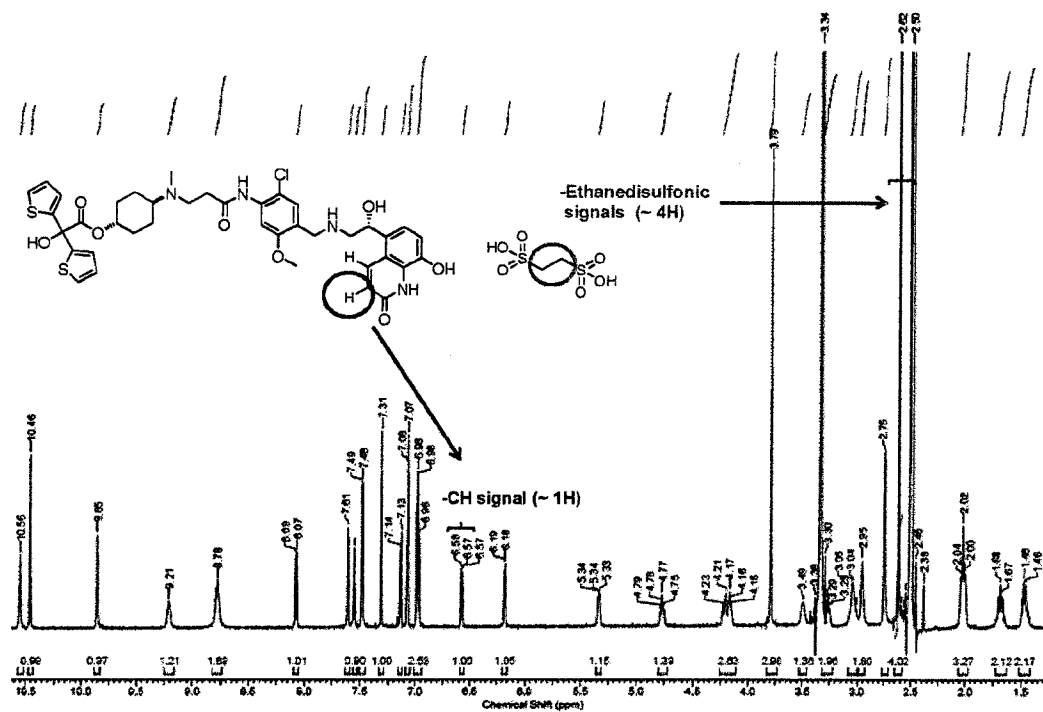


Figure 3

¹H-NMR (600 MHz, DMSO-d₆) for *trans*-4-((3-(2-chloro-4-(((2*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylamino)-3-oxopropyl)(methyl)amino)cyclohexyl hydroxy(di-2-thienyl)acetate ethanedisulfonate.



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Figure 4

DSC analysis of *trans*-4-((3-(2-chloro-4-(((2*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylamino)-3-oxopropyl)(methyl)-amino)cyclohexyl hydroxy(di-2-thienyl)acetate ethanedisulfonate.

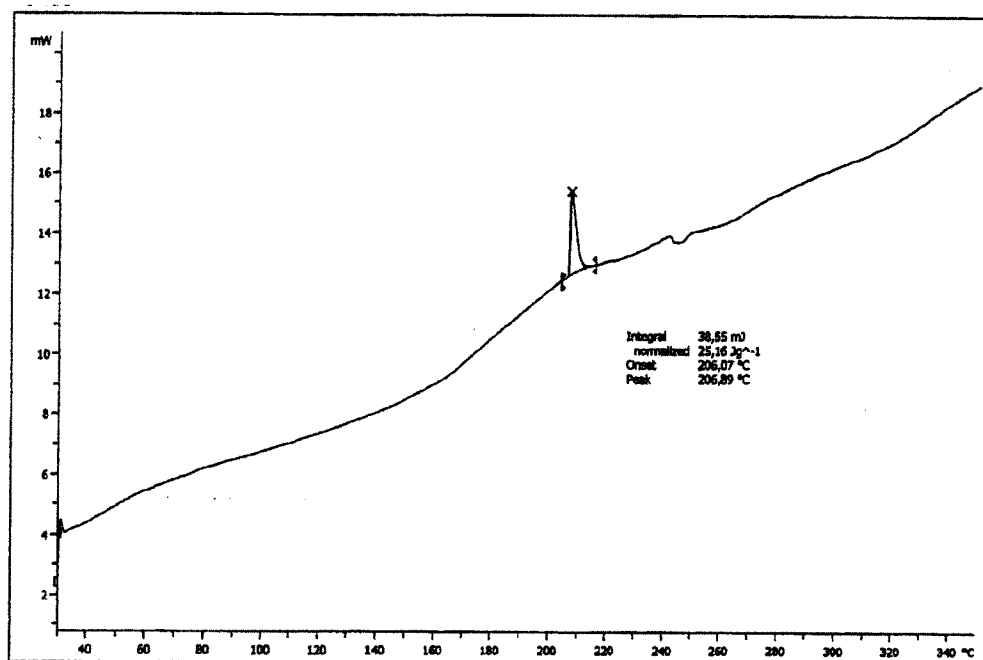


Figure 5

TGA analysis of *trans*-4-((3-(2-chloro-4-(((2*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylamino)-3-oxopropyl)(methyl)amino)cyclohexyl hydroxy(di-2-thienyl)acetate ethanedisulfonate

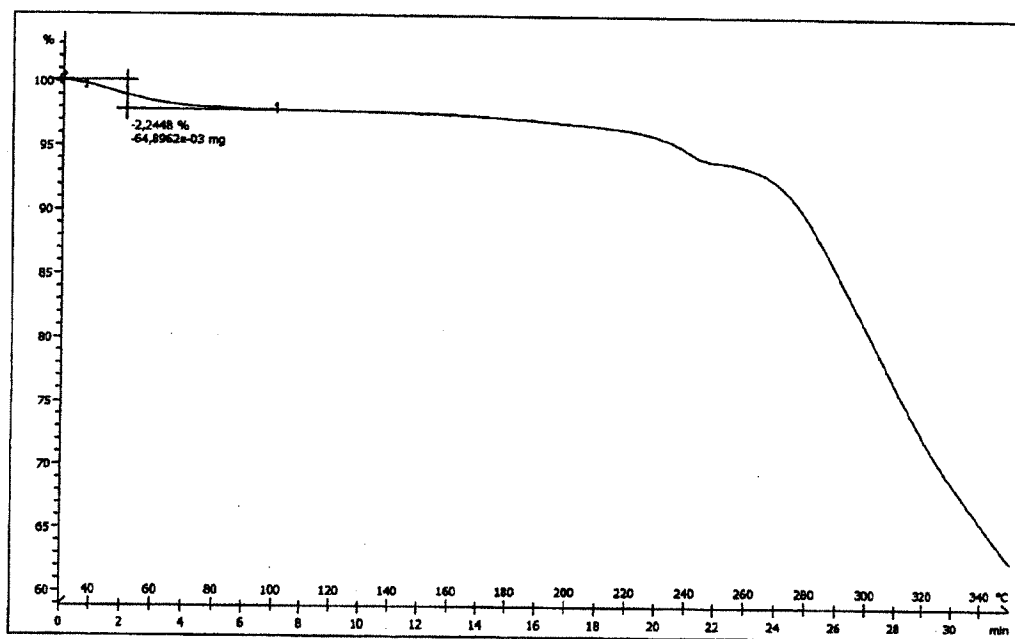


Figure 6

FTIR spectrum for *trans*-4-((3-(2-chloro-4-(((2*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylamino)-3-oxopropyl)(methyl)amino)cyclohexyl hydroxy(di-2-thienyl)acetate ethanedisulfonate

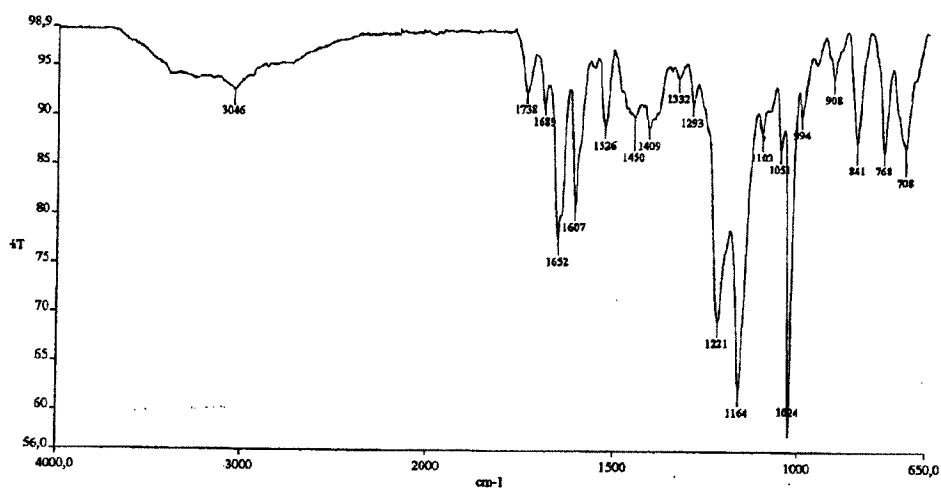


Figure 7

FTIR spectrum for *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbonyloxy)ethyl)(methyl-amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate.

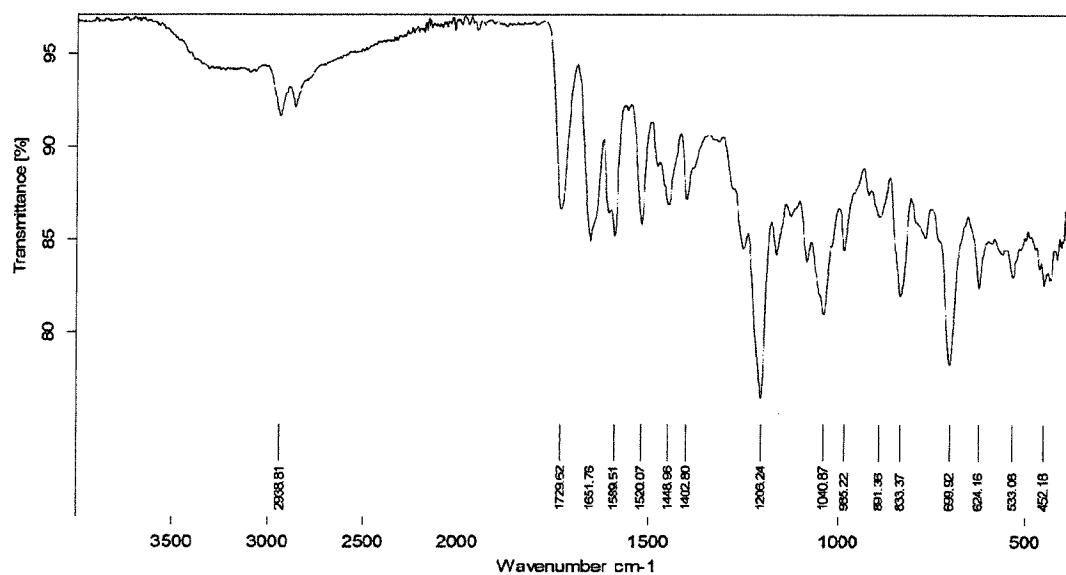


Figure 8

X-ray diffraction (PXRD) pattern for *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methyl)amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate disaccharinate.

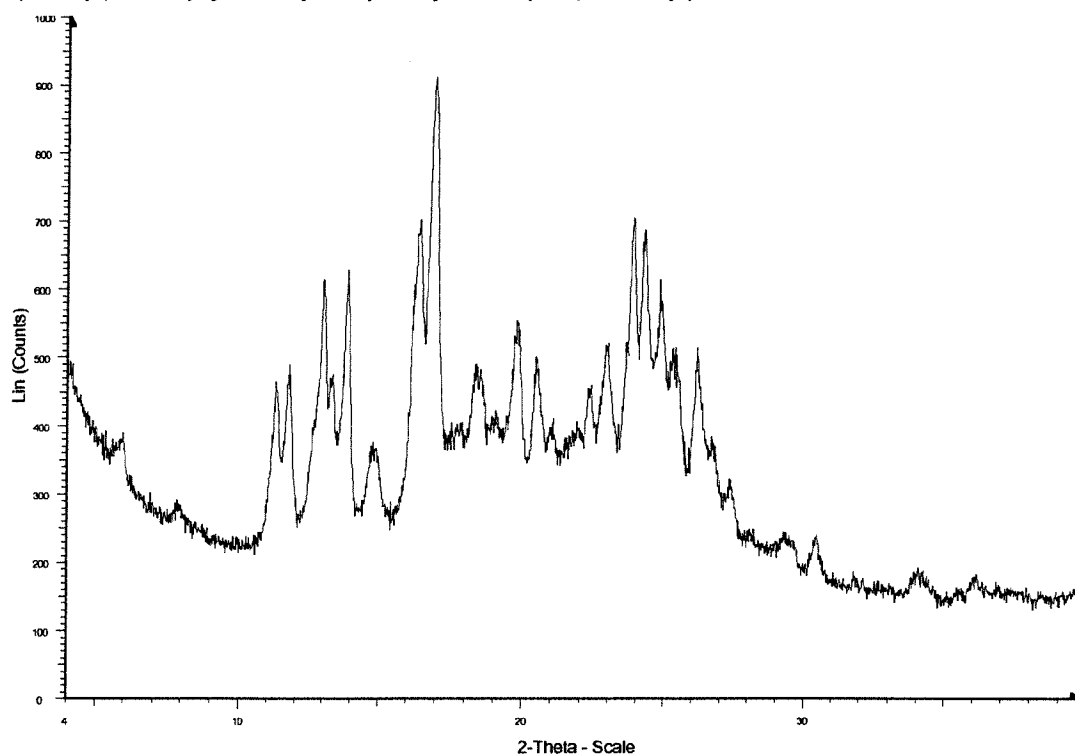


Figure 9

^1H -NMR spectrum of *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methyl)amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate disaccharinate.

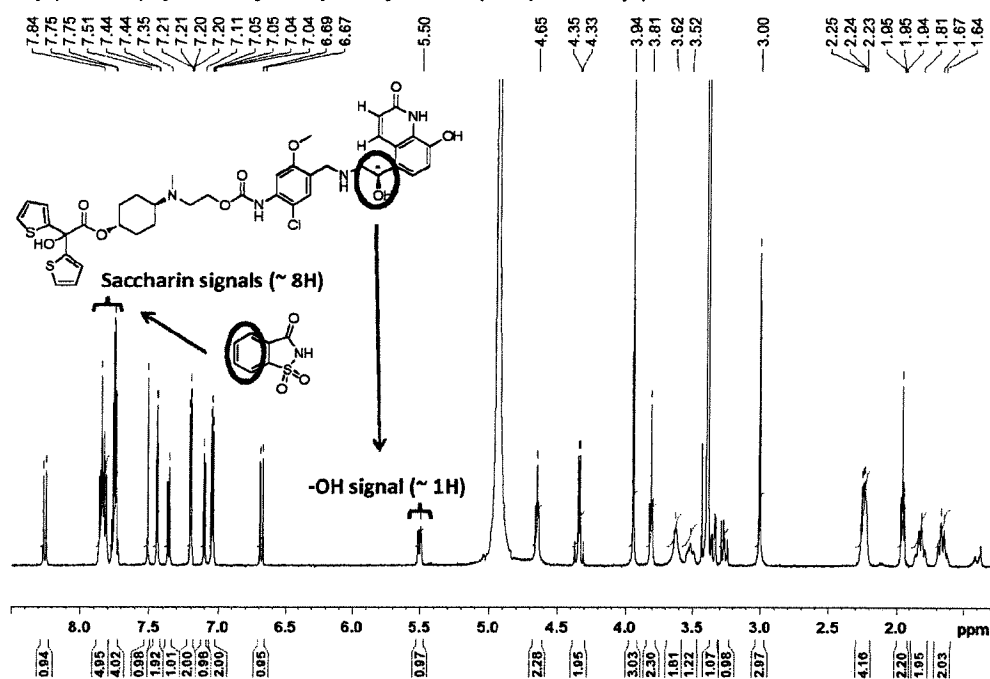


Figure 10

DSC analysis of *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methyl)amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate disaccharinate

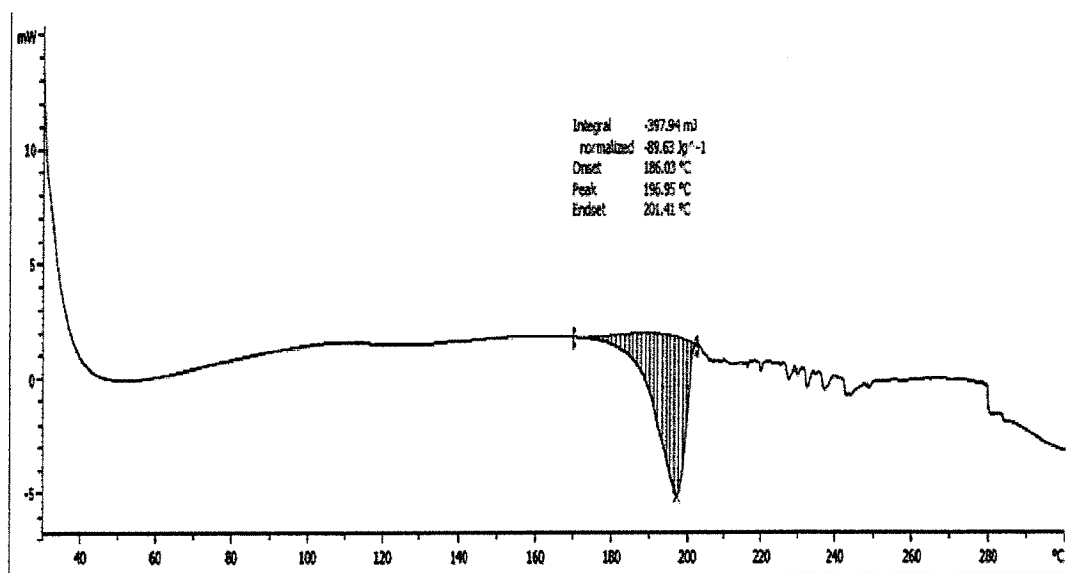


Figure 11

TG analysis for *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methyl)amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate disaccharinate.

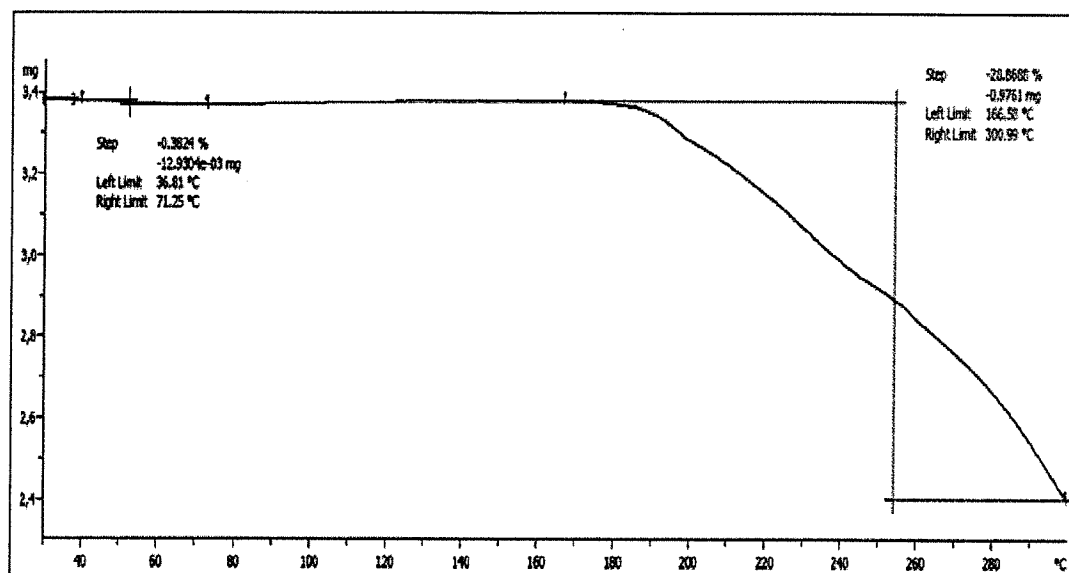


Figure 12

FTIR spectrum for *trans*-4-((2-(2-chloro-4-(((*R*)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyl-oxy)ethyl)(methyl)-amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate disaccharinate

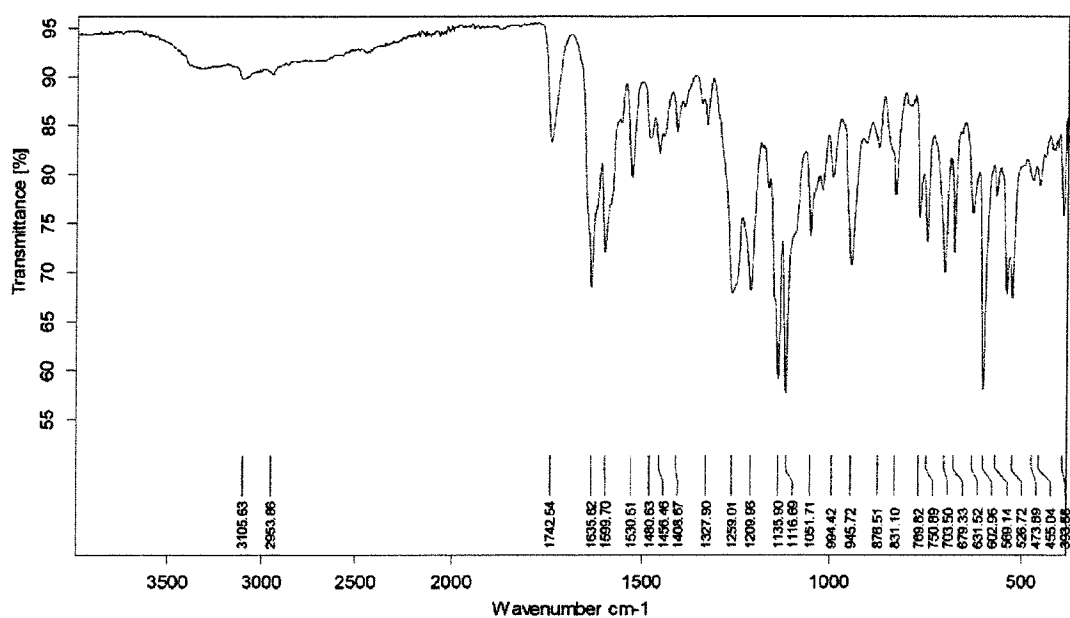


Figure 13

X-ray diffraction (PXRD) pattern for *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methyl)amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate L-tartrate.

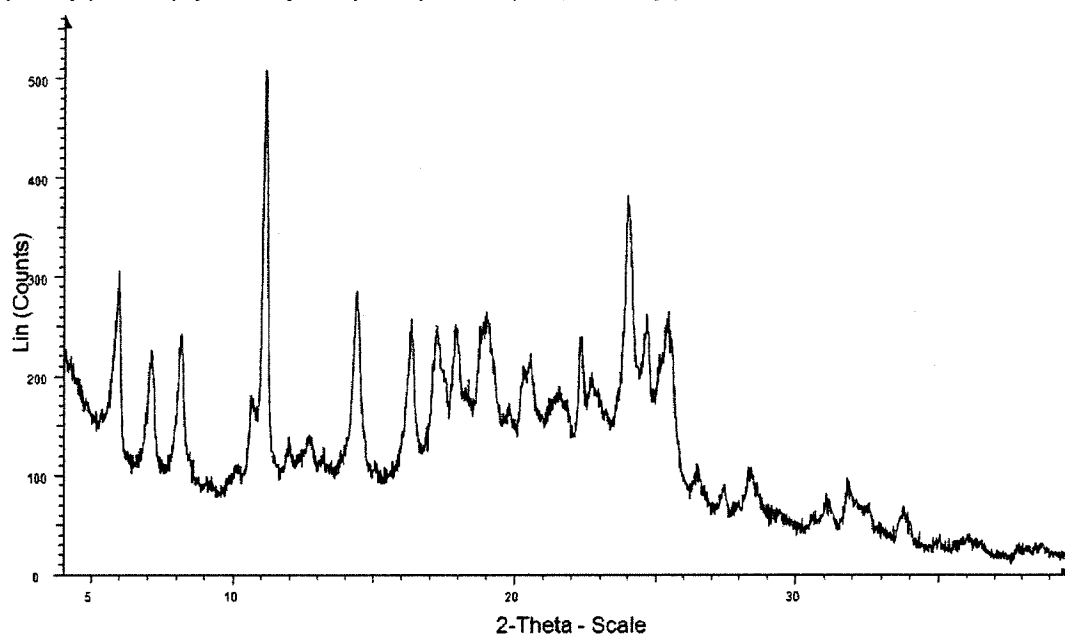


Figure 14

¹H-NMR spectrum of *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methylamino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate L-tartrate.

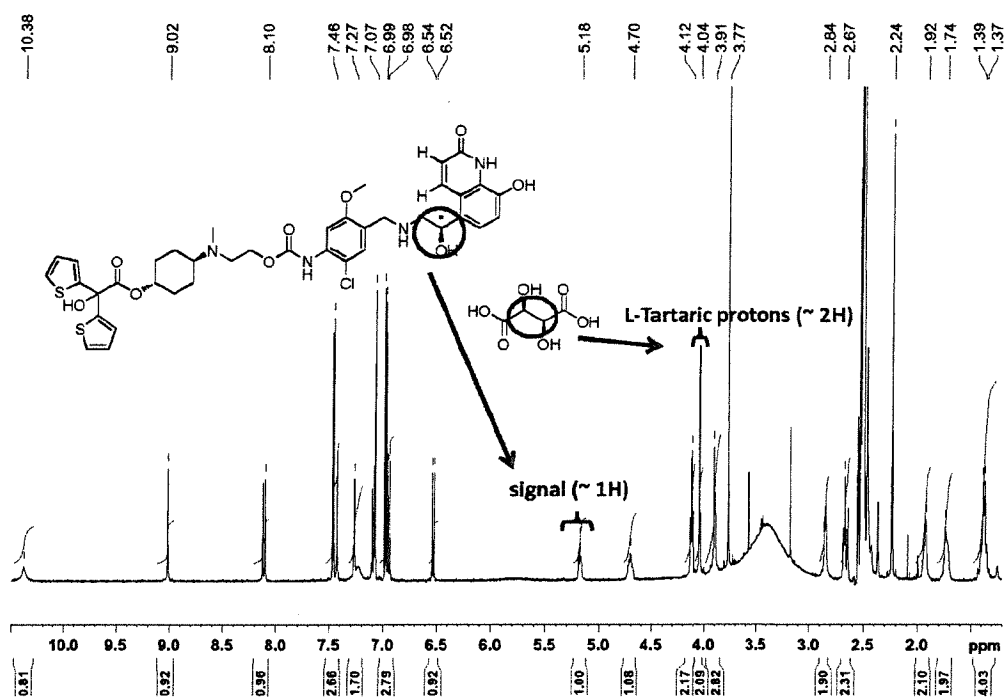


Figure 15

DSC analysis of *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbonyloxy)ethyl)-(methyl)amino)-cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate L-tartrate

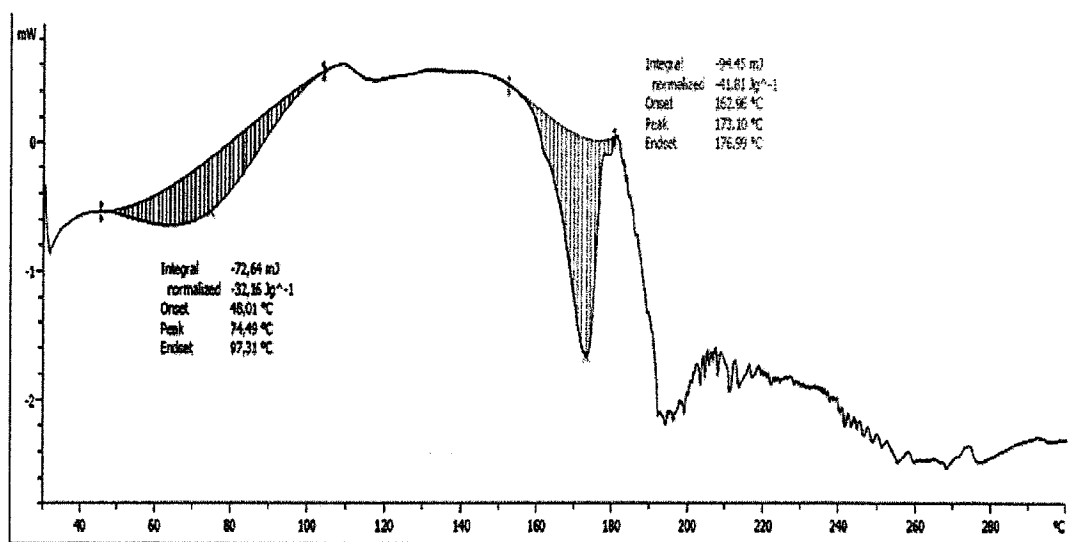


Figure 16

TG analysis for *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyloxy)ethyl)-(methyl)amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate L-tartrate.

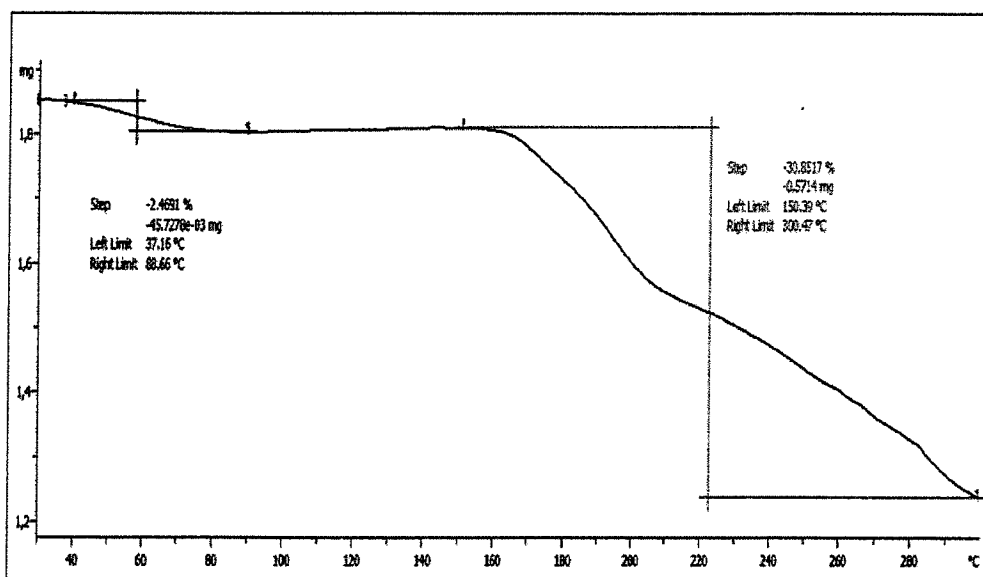


Figure 17

FTIR spectrum for *trans*-4-((2-(2-chloro-4-(((R)-2-hydroxy-2-(8-hydroxy-2-oxo-1,2-dihydroquinolin-5-yl)ethylamino)methyl)-5-methoxyphenylcarbamoyl-oxy)ethyl)(methyl)-amino)cyclohexyl 2-hydroxy-2,2-di(thiophen-2-yl)acetate L-tartrate

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