

Synthesis, Anti-mycobacterial and Cytotoxic Evaluation of Substituted Isoindoline-1,3-dione-4-aminoquinolines coupled via alkyl/amide linkers

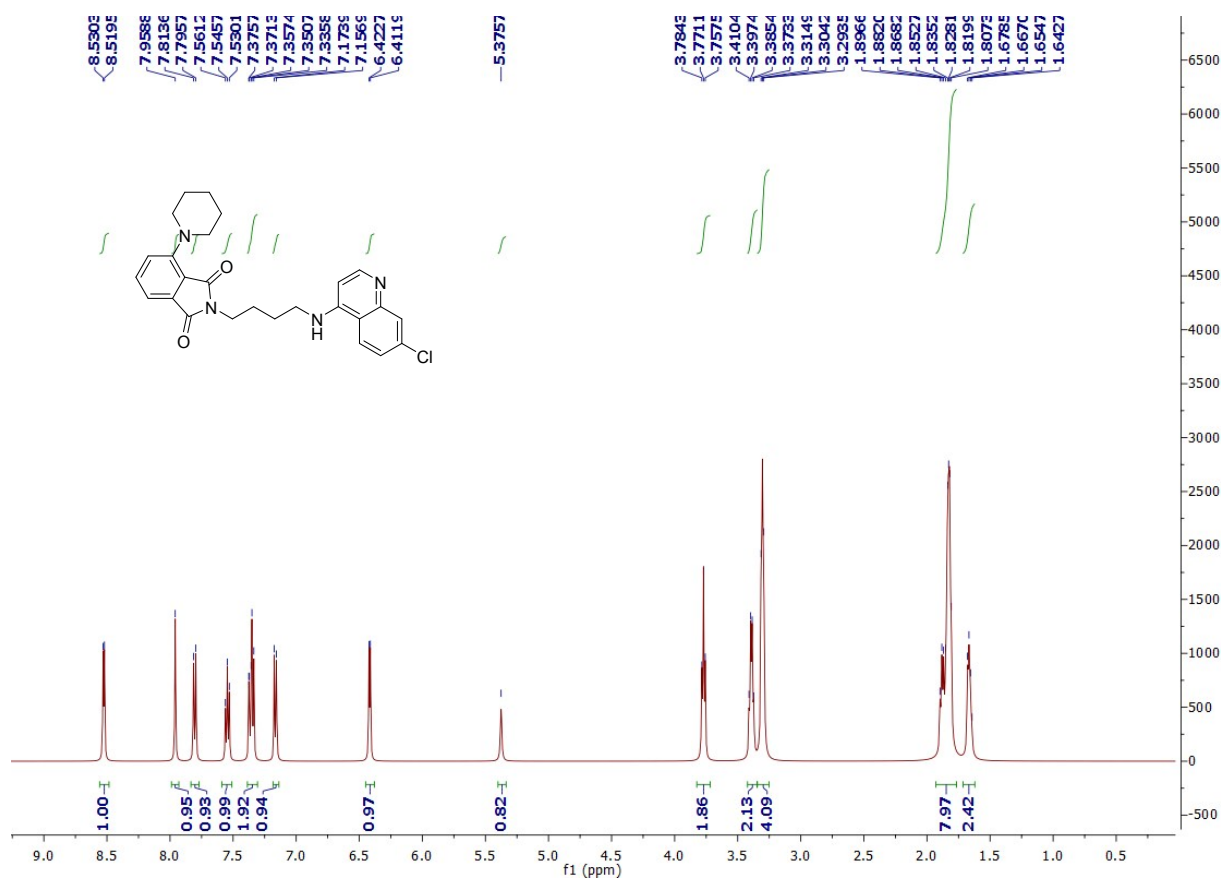
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^a Department of Chemistry, Guru Nanak Dev University, Amritsar-143005, Punjab, India

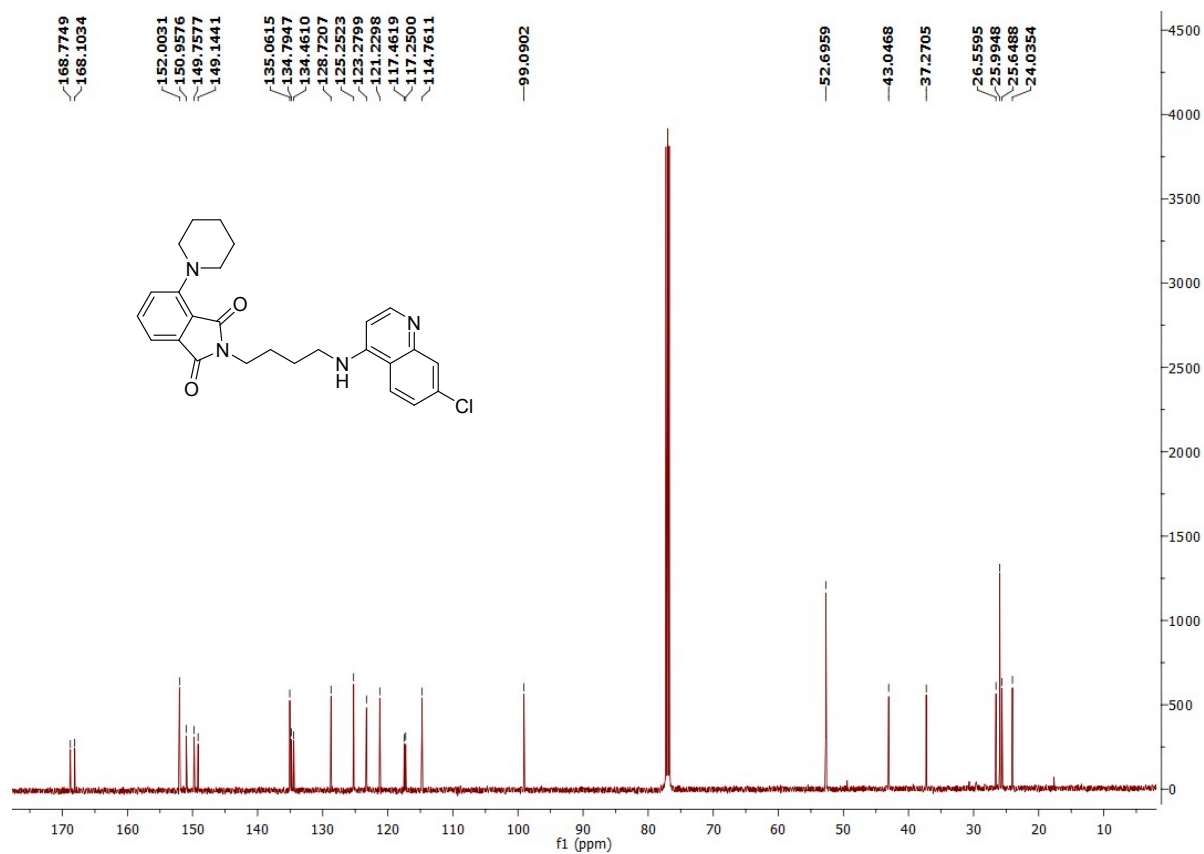
^b Institut de Recherche en Infectiologie (IRIM) de Montpellier, CNRS, UMR 9004 Université de Montpellier, France

^c INSERM, IRIM, 34293 Montpellier, France

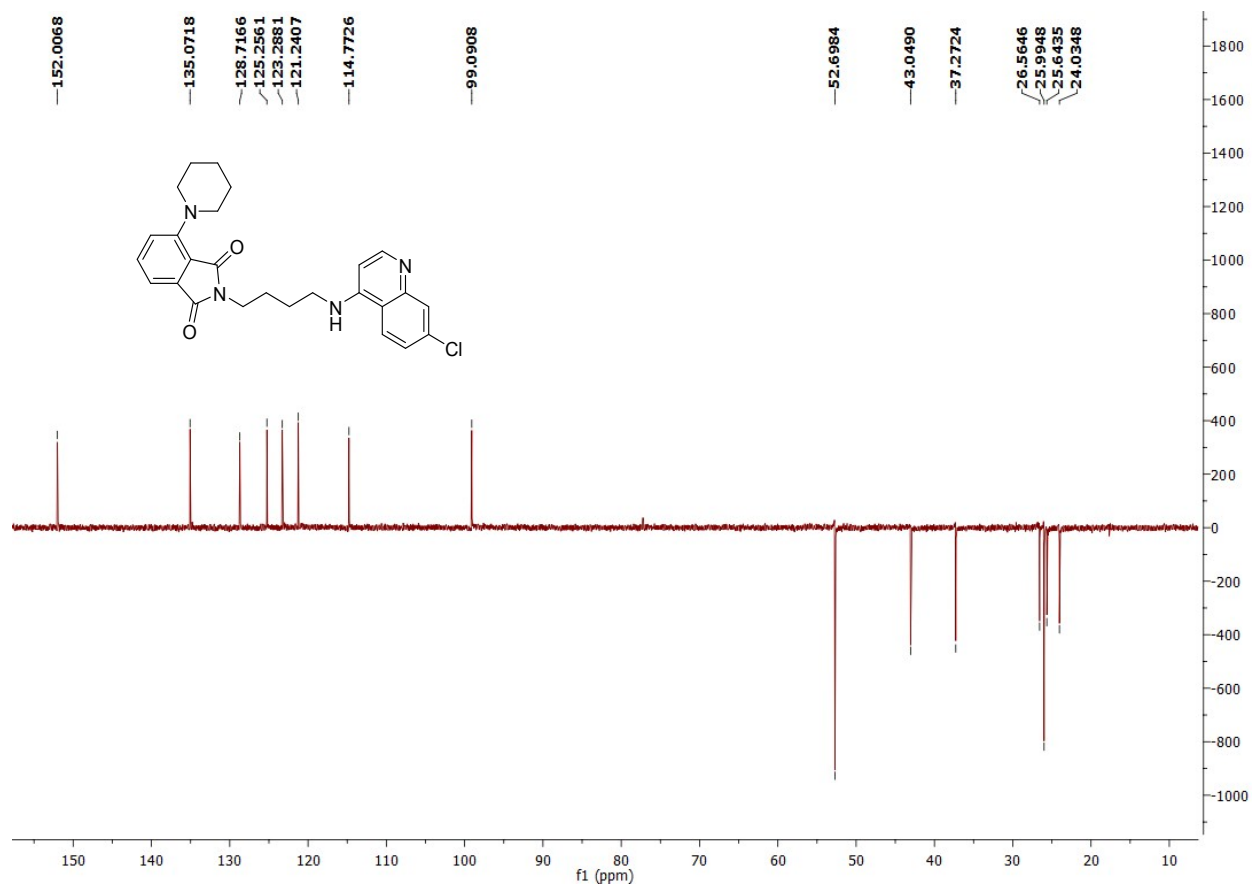
¹H NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-4-(piperidin-1-yl)isoindoline-1,3-dione (4c):



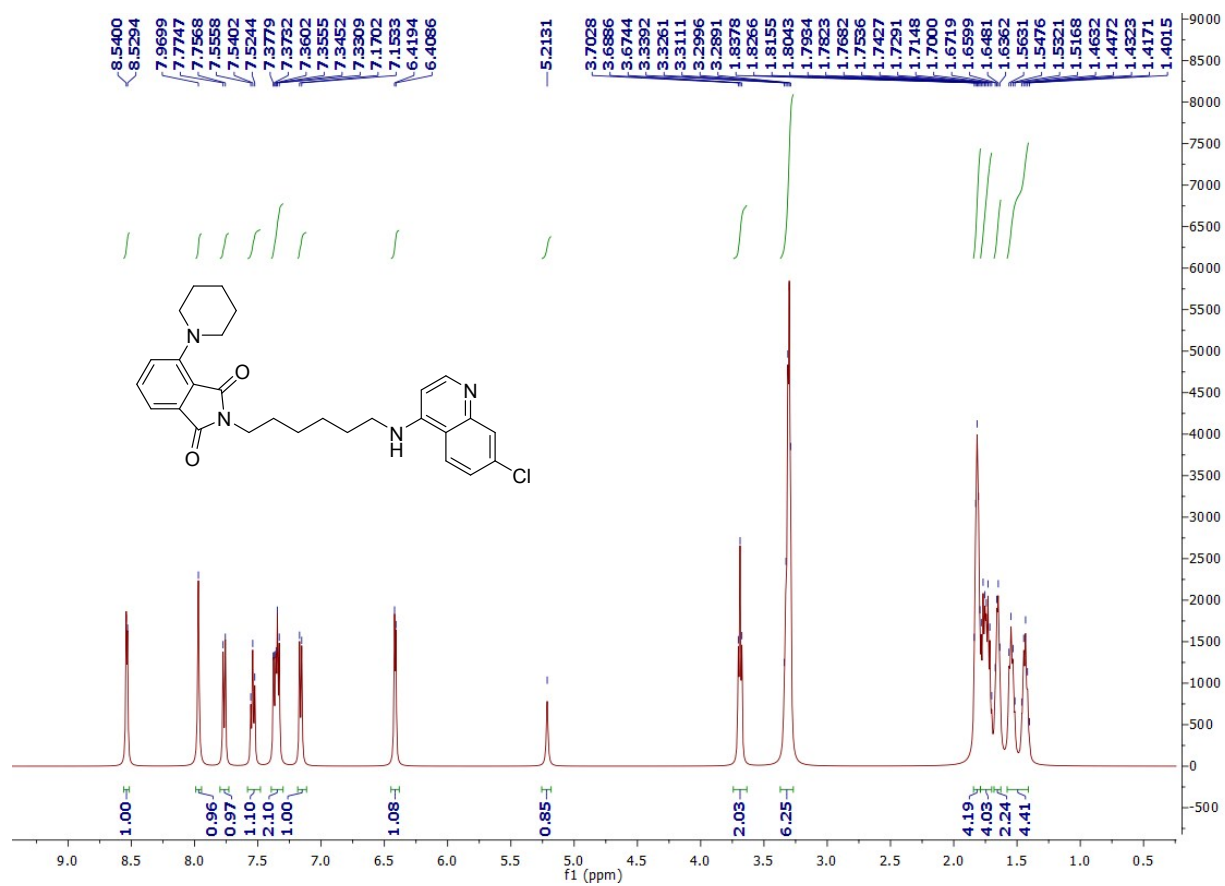
¹³C NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-4-(piperidin-1-yl)isoindoline-1,3-dione (4c):



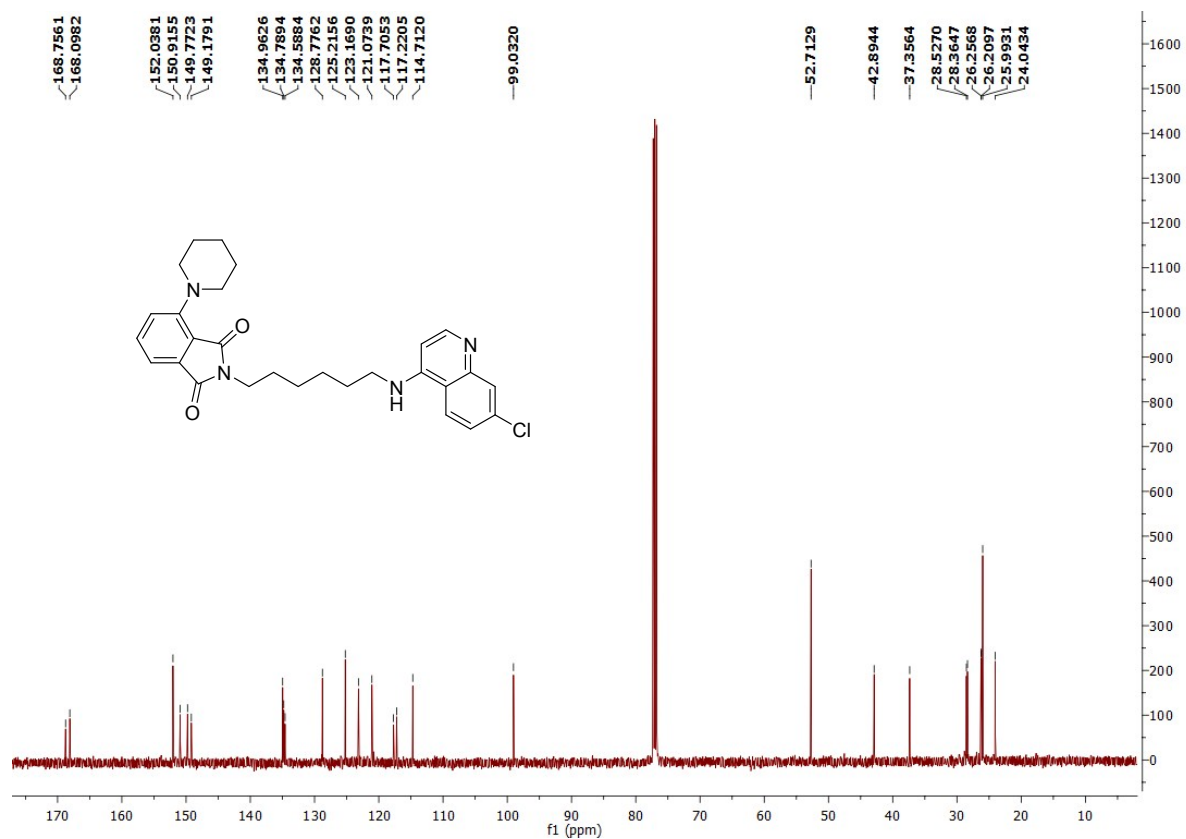
¹³C-DEPT NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-4-(piperidin-1-yl)isoindoline-1,3-dione (4c):



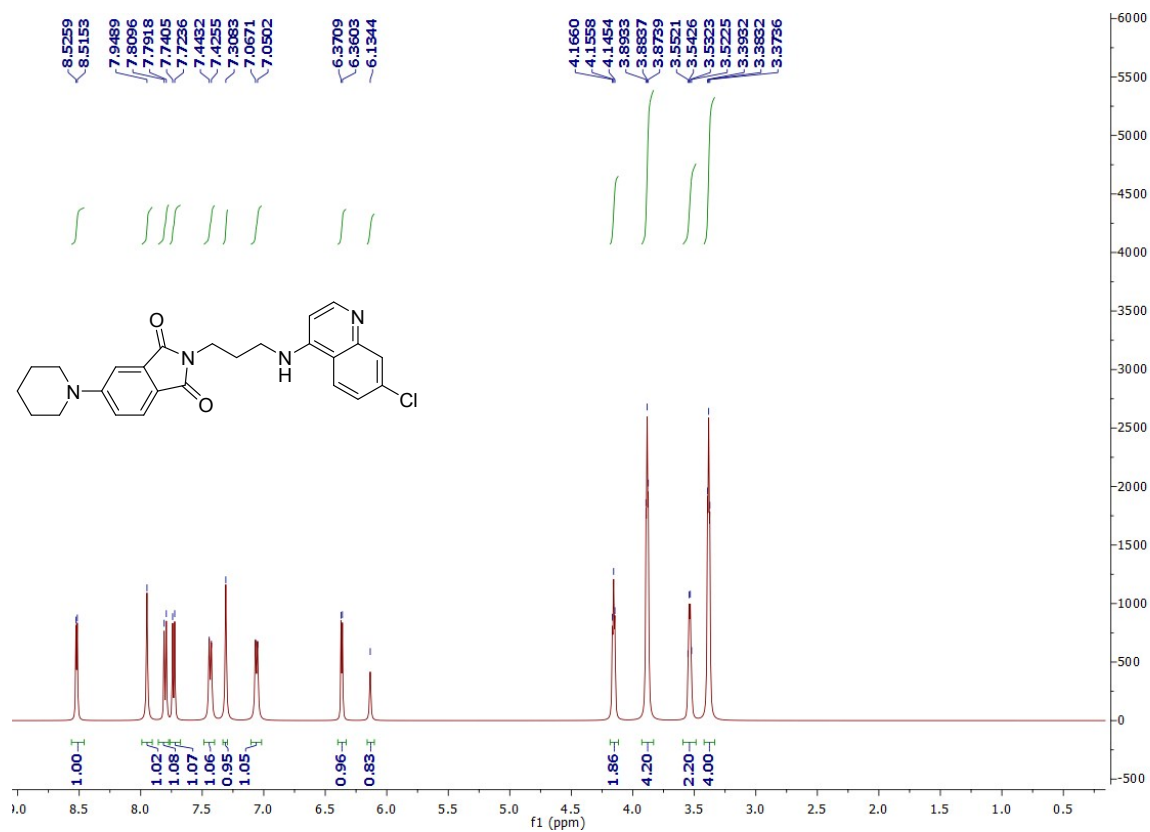
¹H NMR of 2-(6-((7-chloroquinolin-4-yl)amino)hexyl)-4-(piperidin-1-yl)isoindoline-1,3-dione (4d):



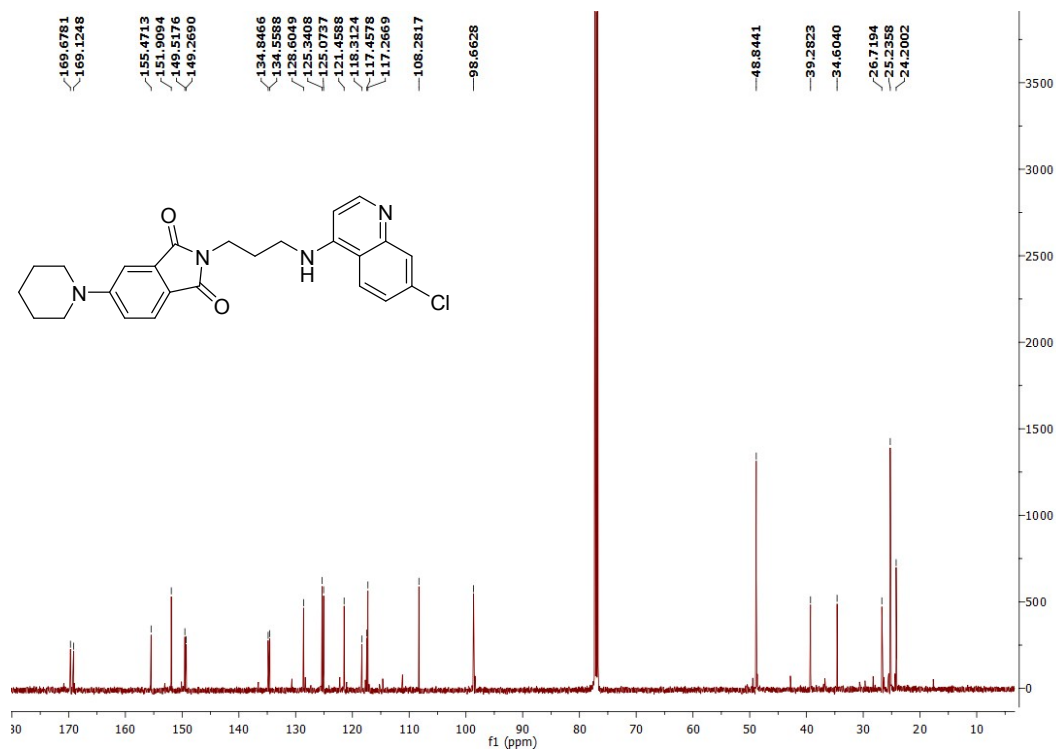
¹³C NMR of 2-(6-((7-chloroquinolin-4-yl)amino)hexyl)-4-(piperidin-1-yl)isoindoline-1,3-dione (4d):



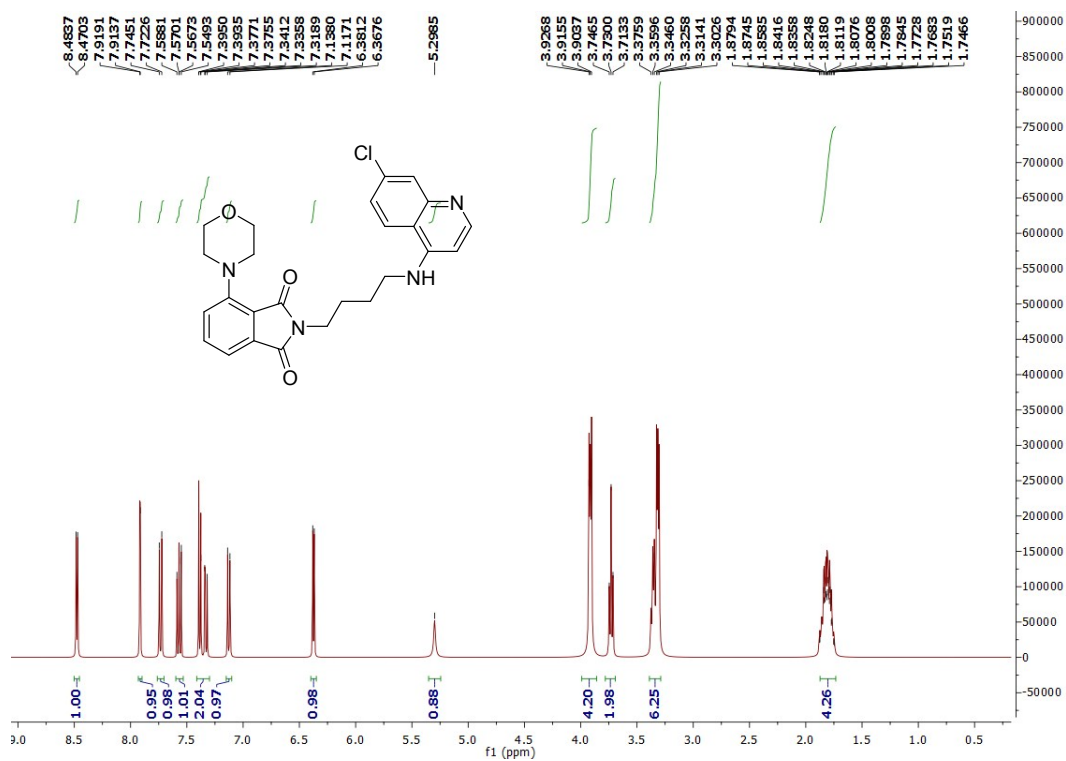
¹H NMR of 2-(3-((7-chloroquinolin-4-yl)amino)propyl)-5-(piperidin-1-yl)isoindoline-1,3-dione (4f):



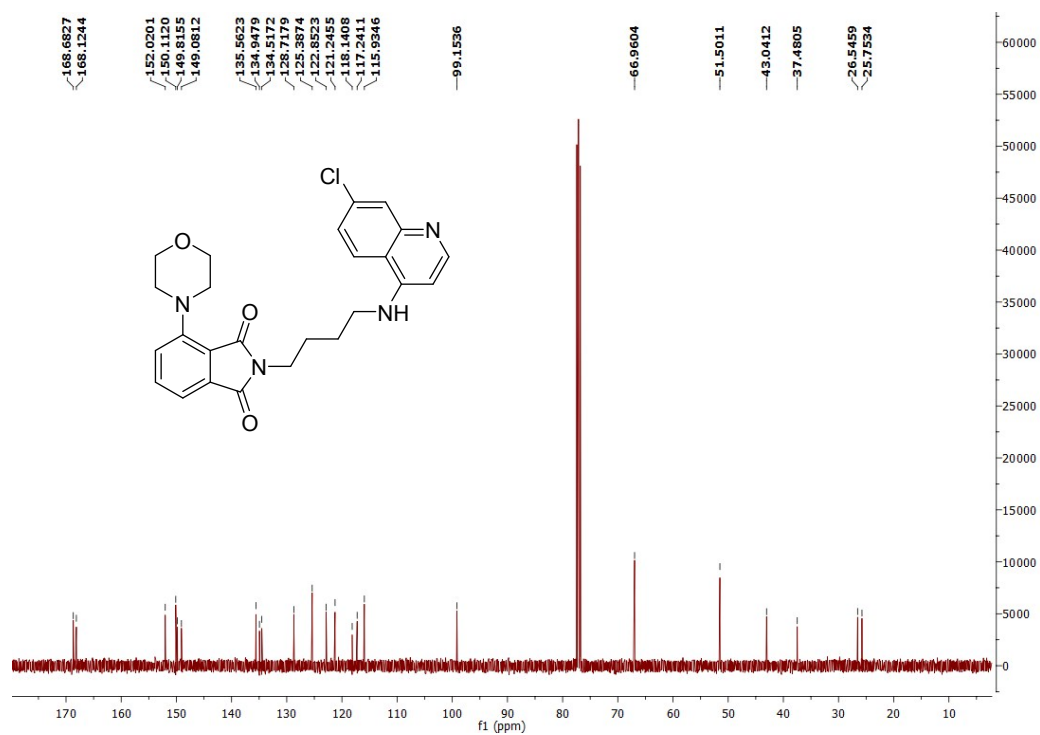
¹³C NMR of 2-(3-((7-chloroquinolin-4-yl)amino)propyl)-5-(piperidin-1-yl)isoindoline-1,3-dione (4f):



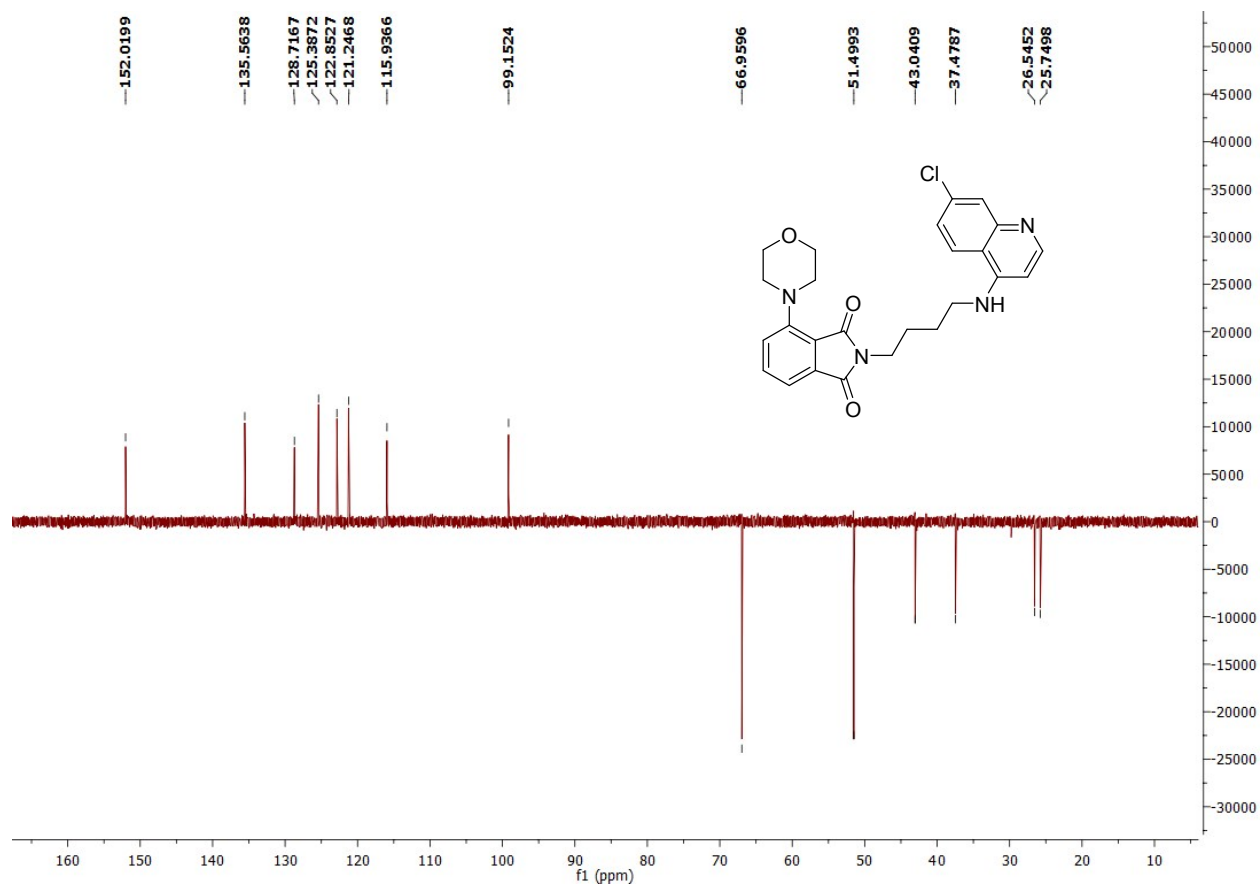
¹H NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-4-morpholinoisoindoline-1,3-dione (4k):



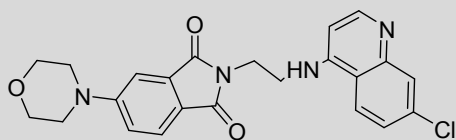
^{13}C NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-4-morpholinoisindoline-1,3-dione (4k):



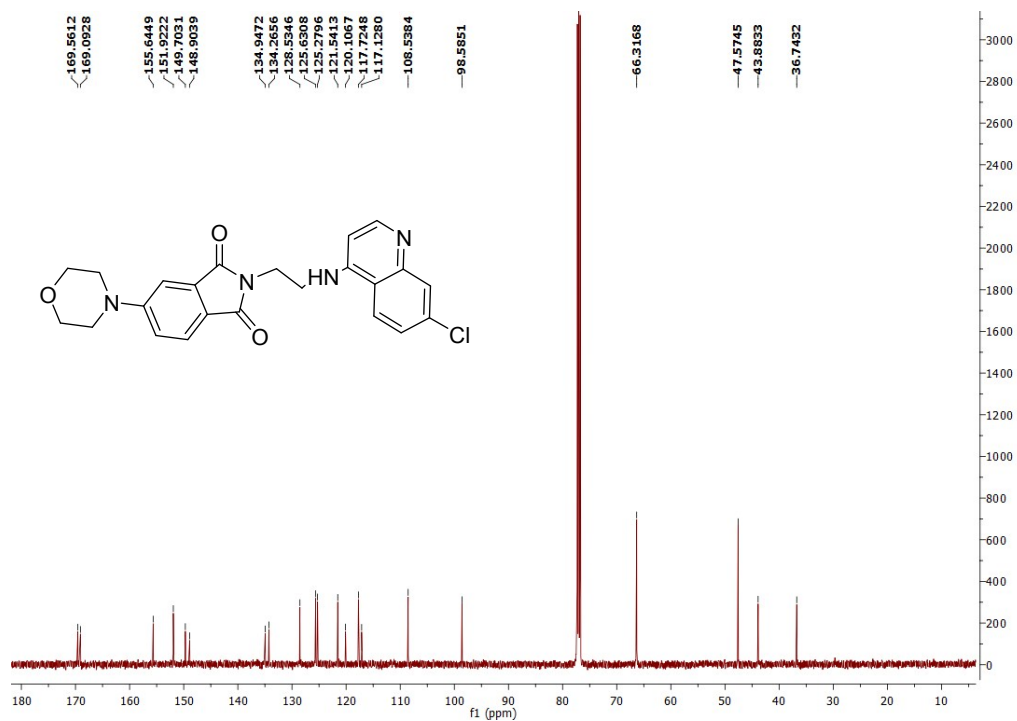
^{13}C -DEPT NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-4-morpholinoisindoline-1,3-dione (4k):



¹H NMR of 2-(2-((7-chloroquinolin-4-yl)amino)ethyl)-5-morpholinoisoindoline-1,3-dione (4m):

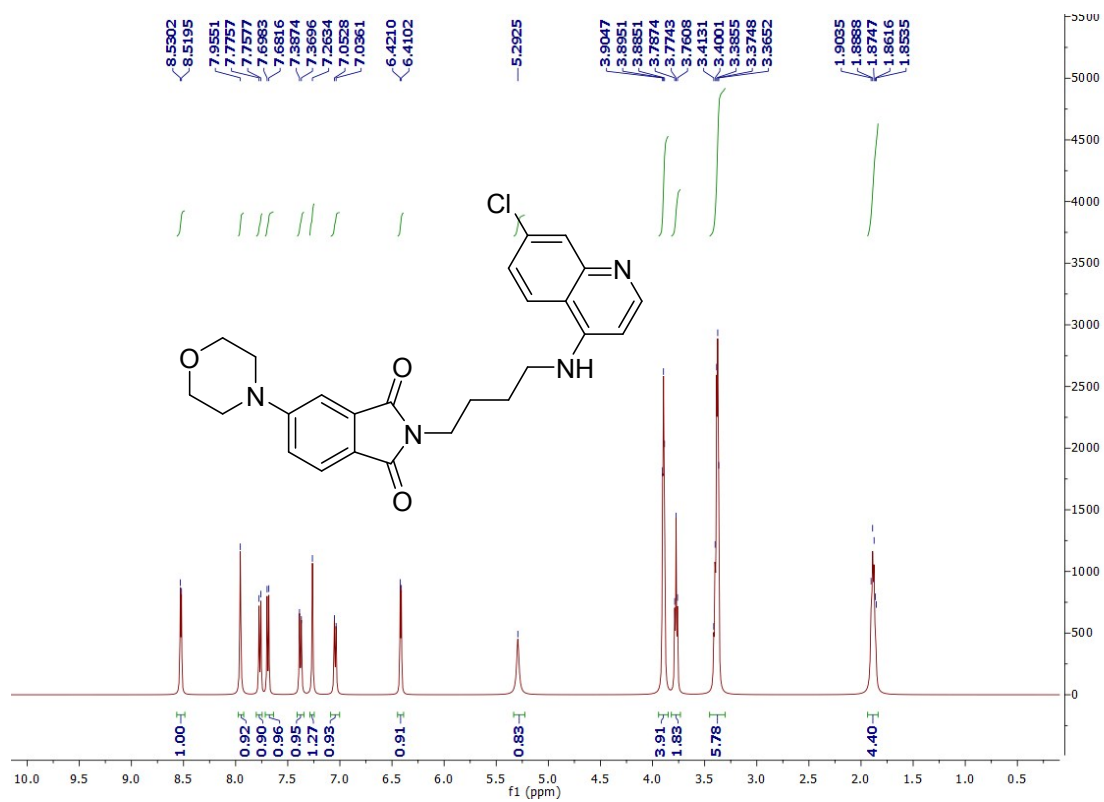


^{13}C NMR of 2-(2-((7-chloroquinolin-4-yl)amino)ethyl)-5-morpholinoisoindoline-1,3-dione (4m):

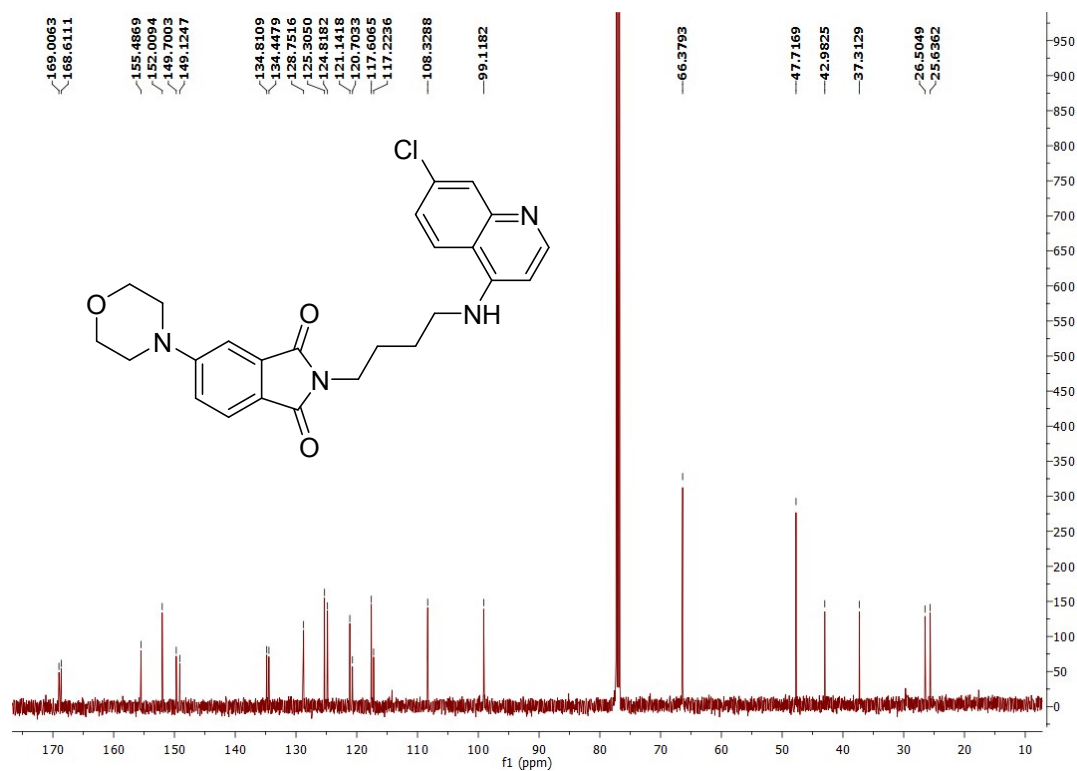


¹H NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-5-morpholinoisindoline-1,3-dione

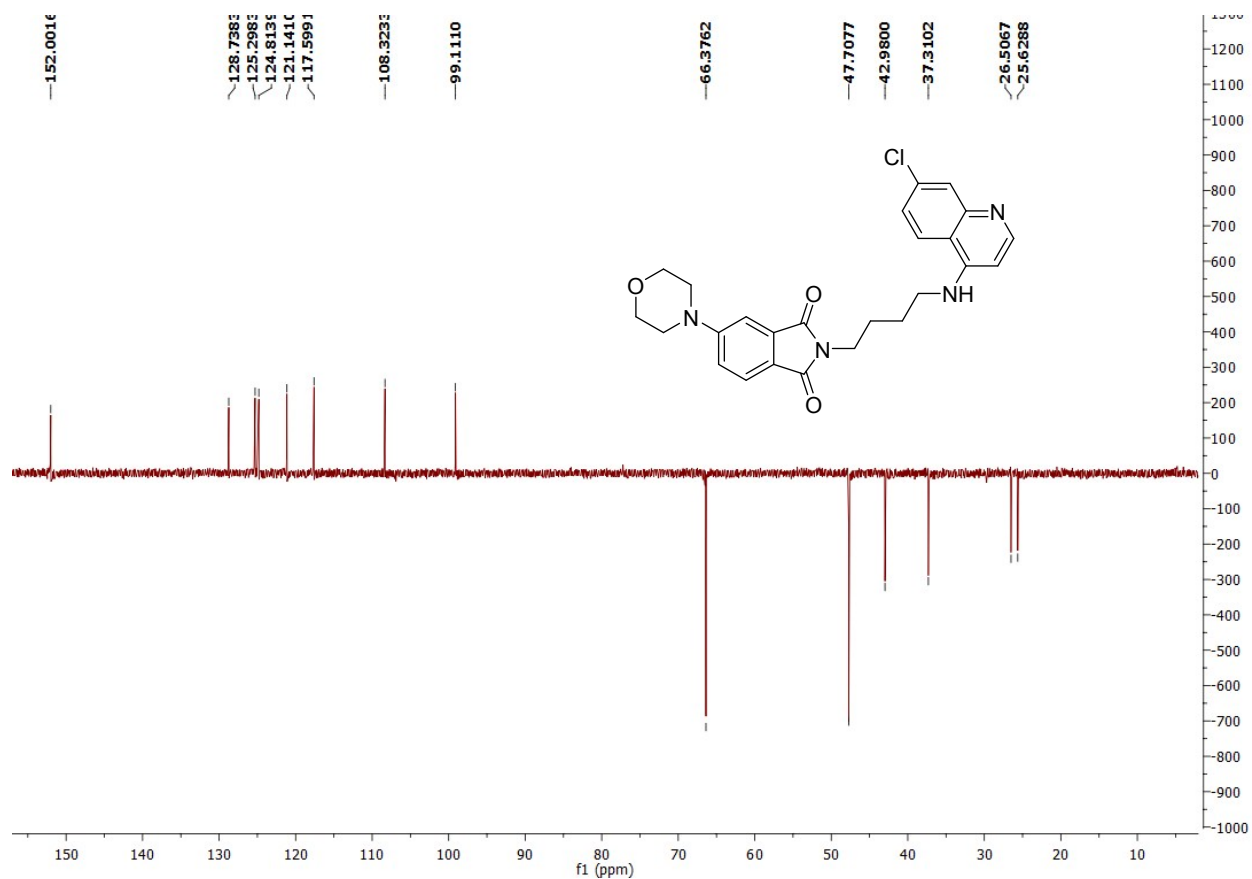
(4o):



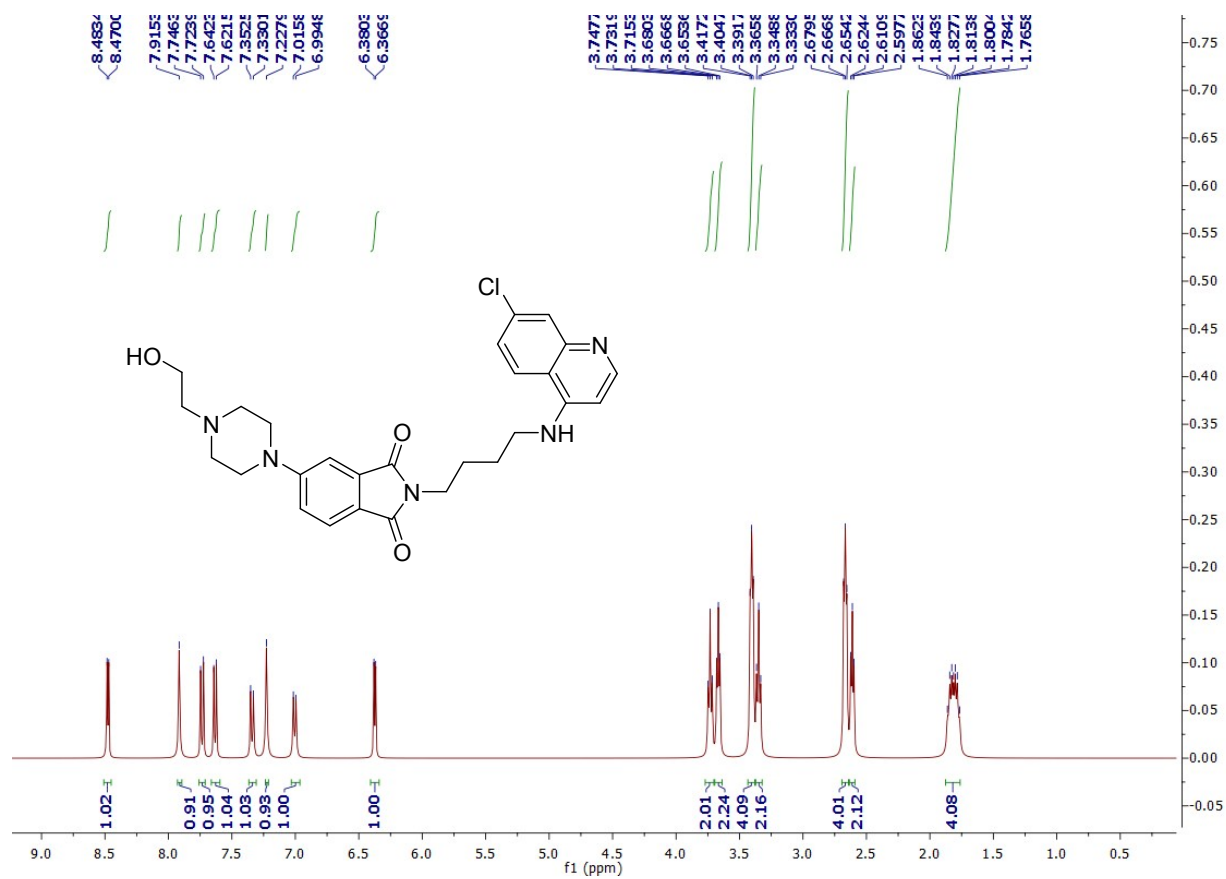
^{13}C NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-5-morpholinoisindoline-1,3-dione (4o):



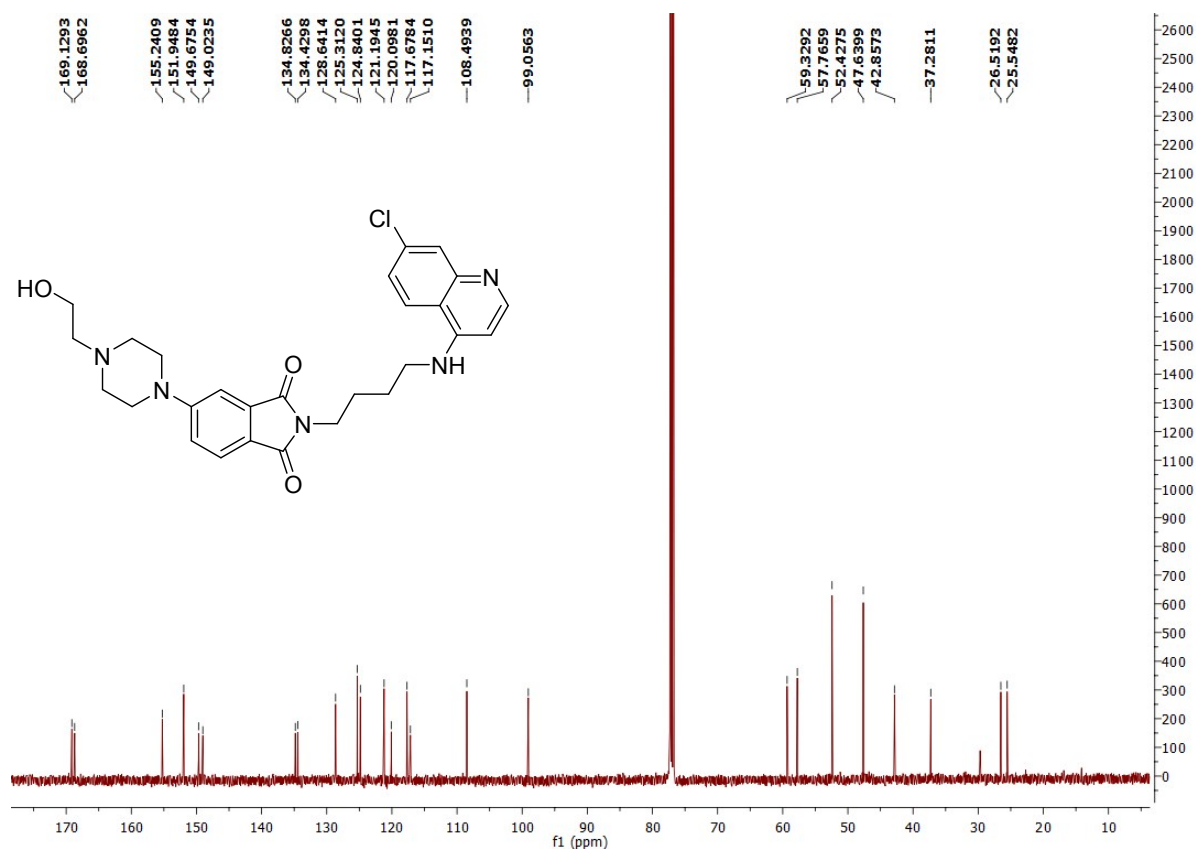
^{13}C -DEPT NMR of 2-(4-((7-chloroquinolin-4-yl)amino)butyl)-5-morpholinoisindoline-1,3-dione (4o):



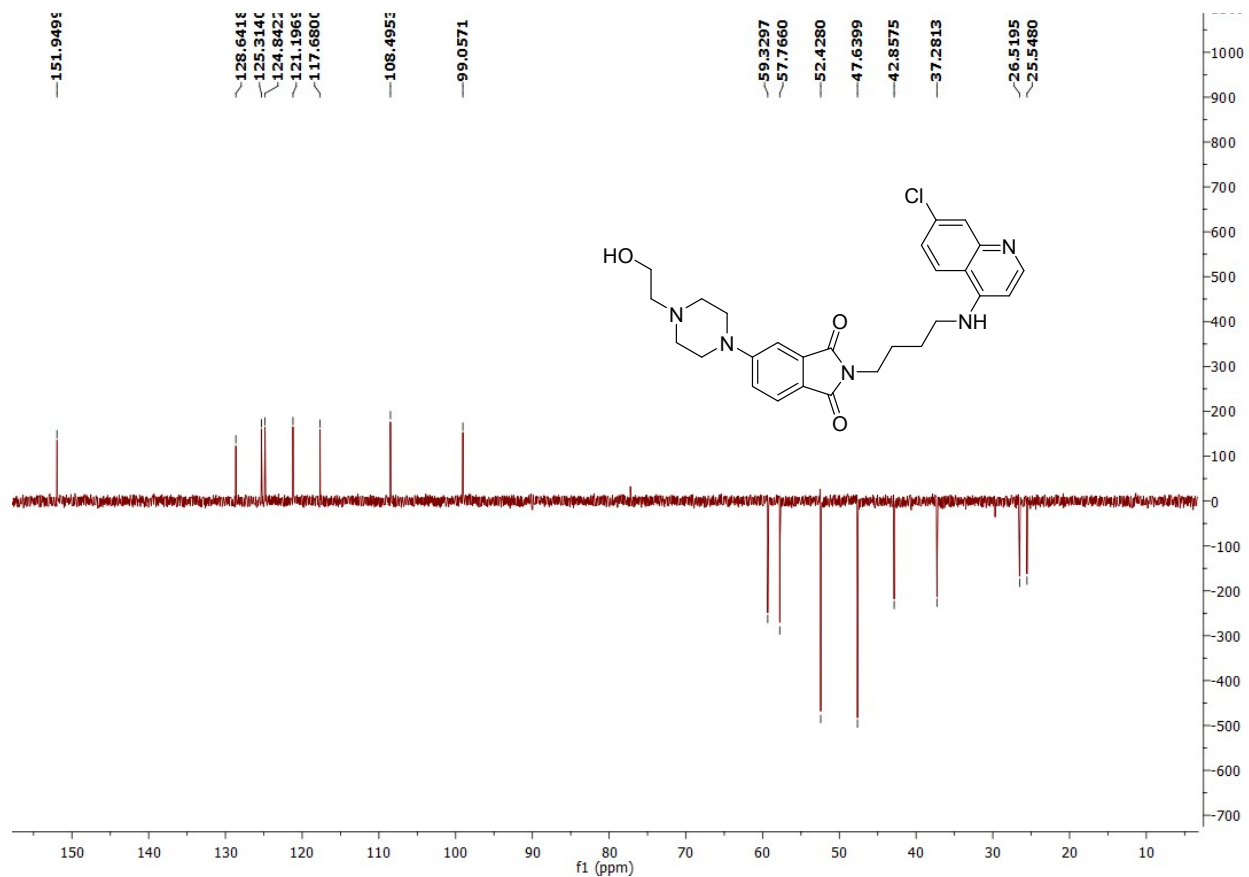
¹H NMR of (2-(4-((7-chloroquinolin-4-yl)amino)butyl)-5-(4-(2-hydroxyethyl)piperazin-1-yl)isoindoline-1,3-dione (4s):



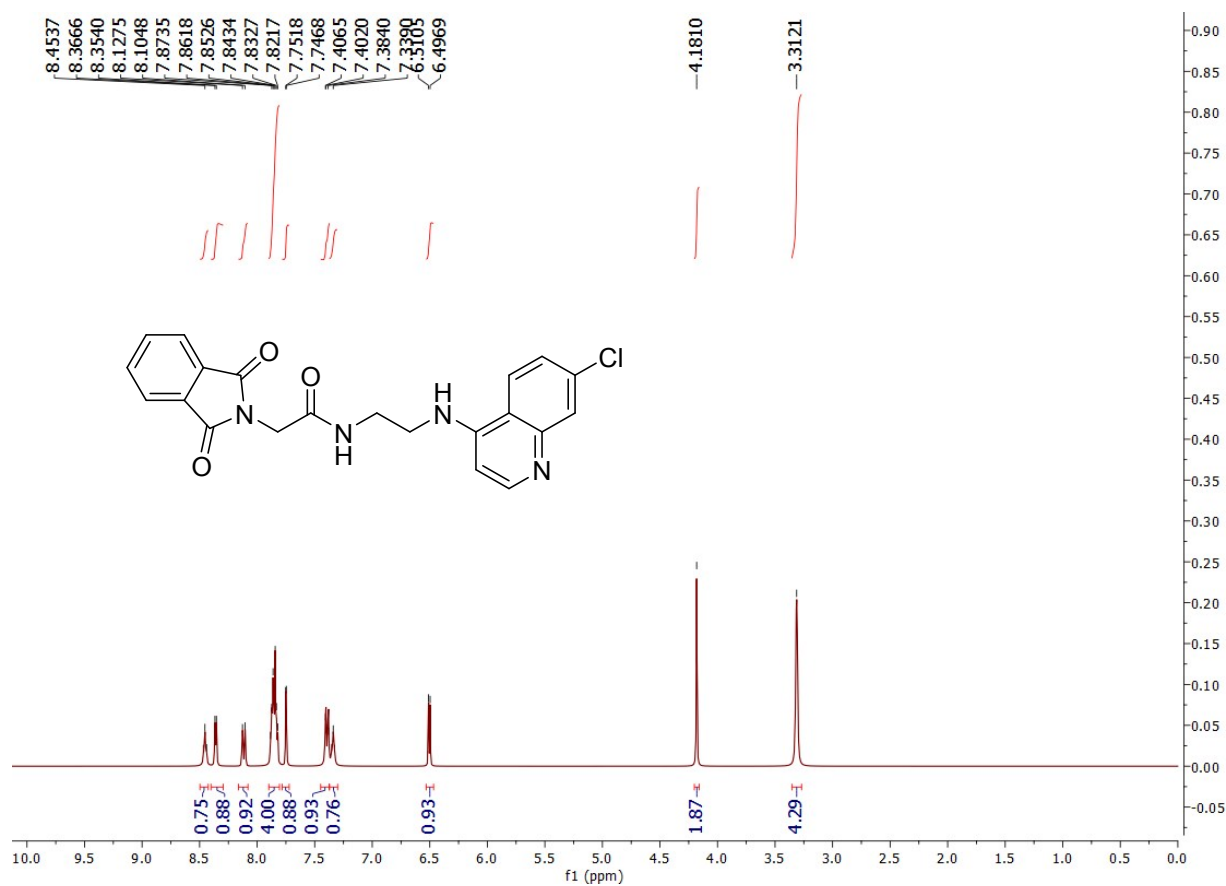
¹³C NMR of (2-(4-((7-chloroquinolin-4-yl)amino)butyl)-5-(4-(2-hydroxyethyl)piperazin-1-yl)isoindoline-1,3-dione (4s):



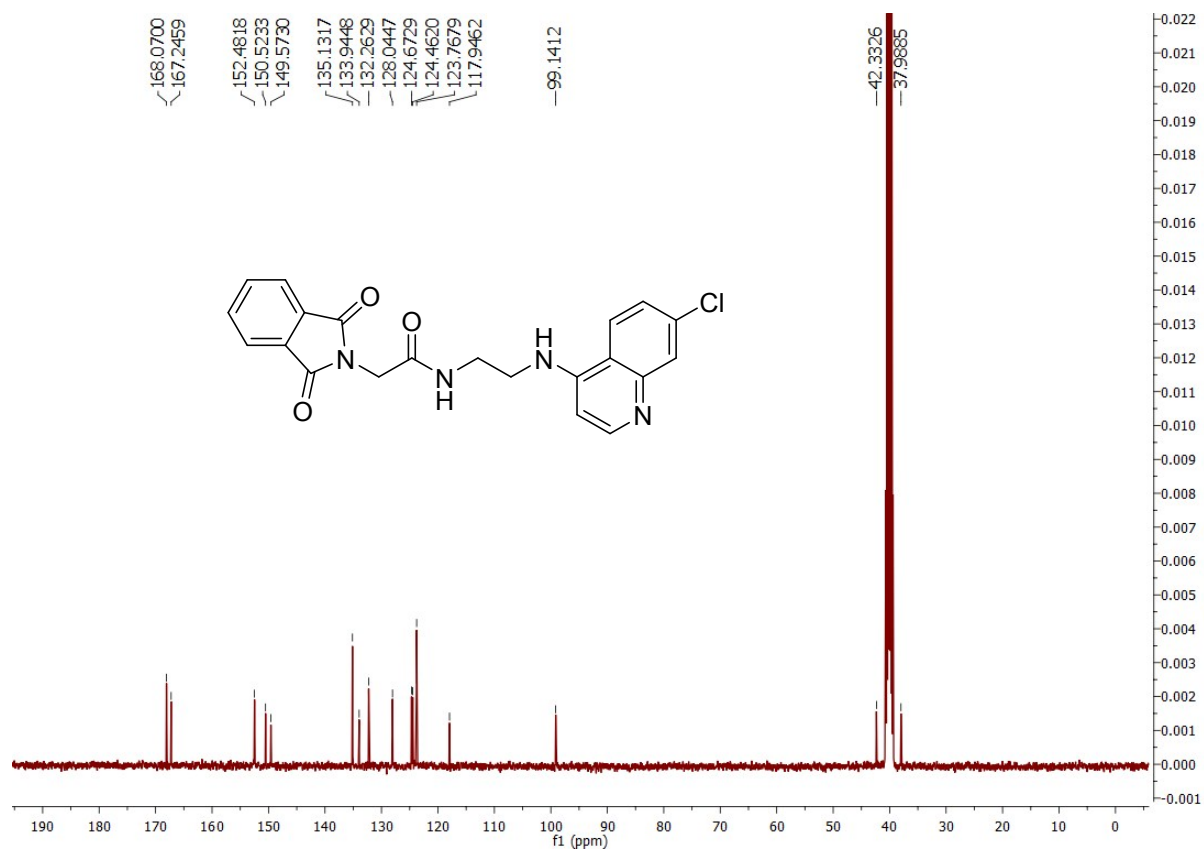
¹³C-DEPT NMR of (2-(4-((7-chloroquinolin-4-yl)amino)butyl)-5-(4-(2-hydroxyethyl)piperazin-1-yl)isoindoline-1,3-dione (4s):



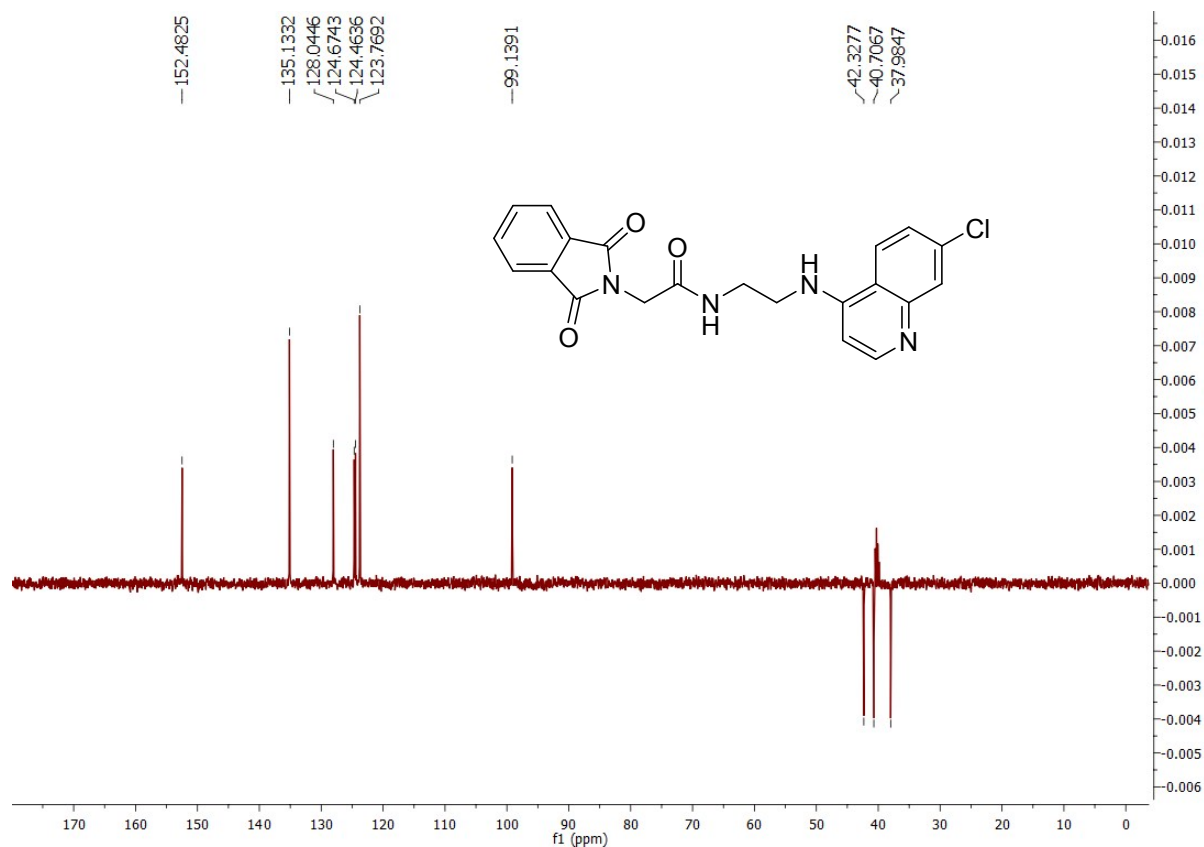
¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-2-(1,3-dioxoisindolin-2-yl)acetamide (7a):



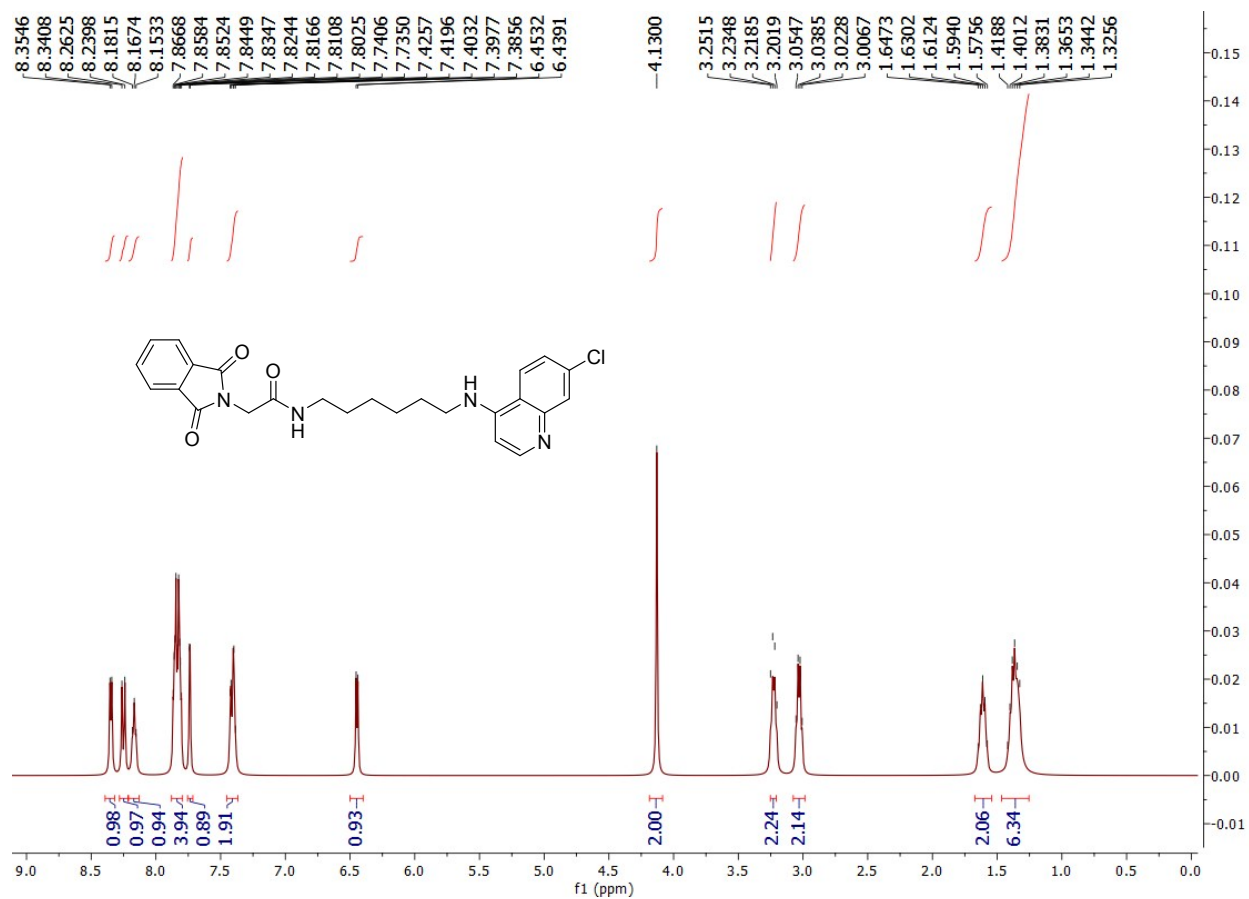
¹³C NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-2-(1,3-dioxoisindolin-2-yl)acetamide (7a):



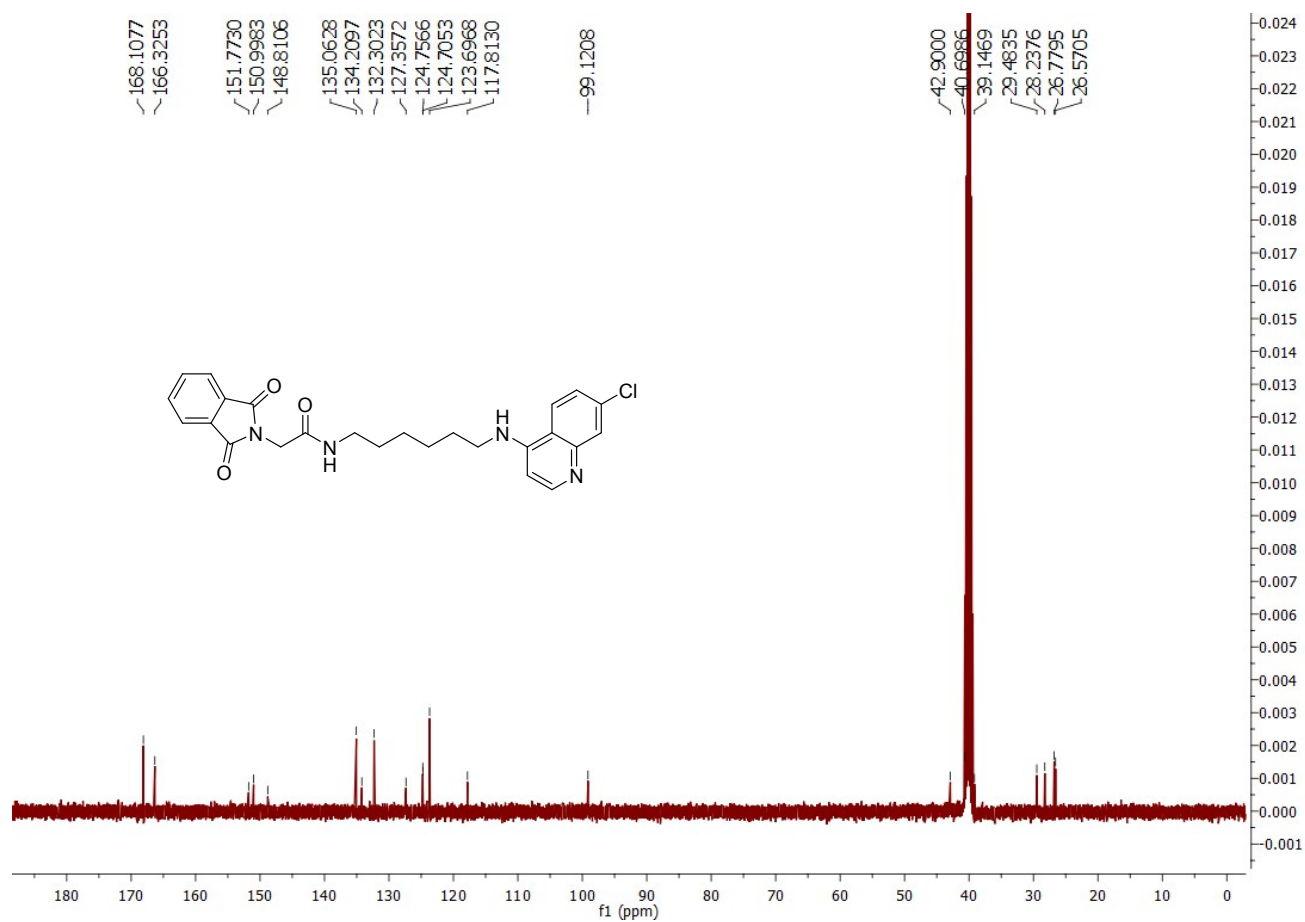
¹³C-DEPT NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-2-(1,3-dioxoisindolin-2-yl)acetamide (7a):



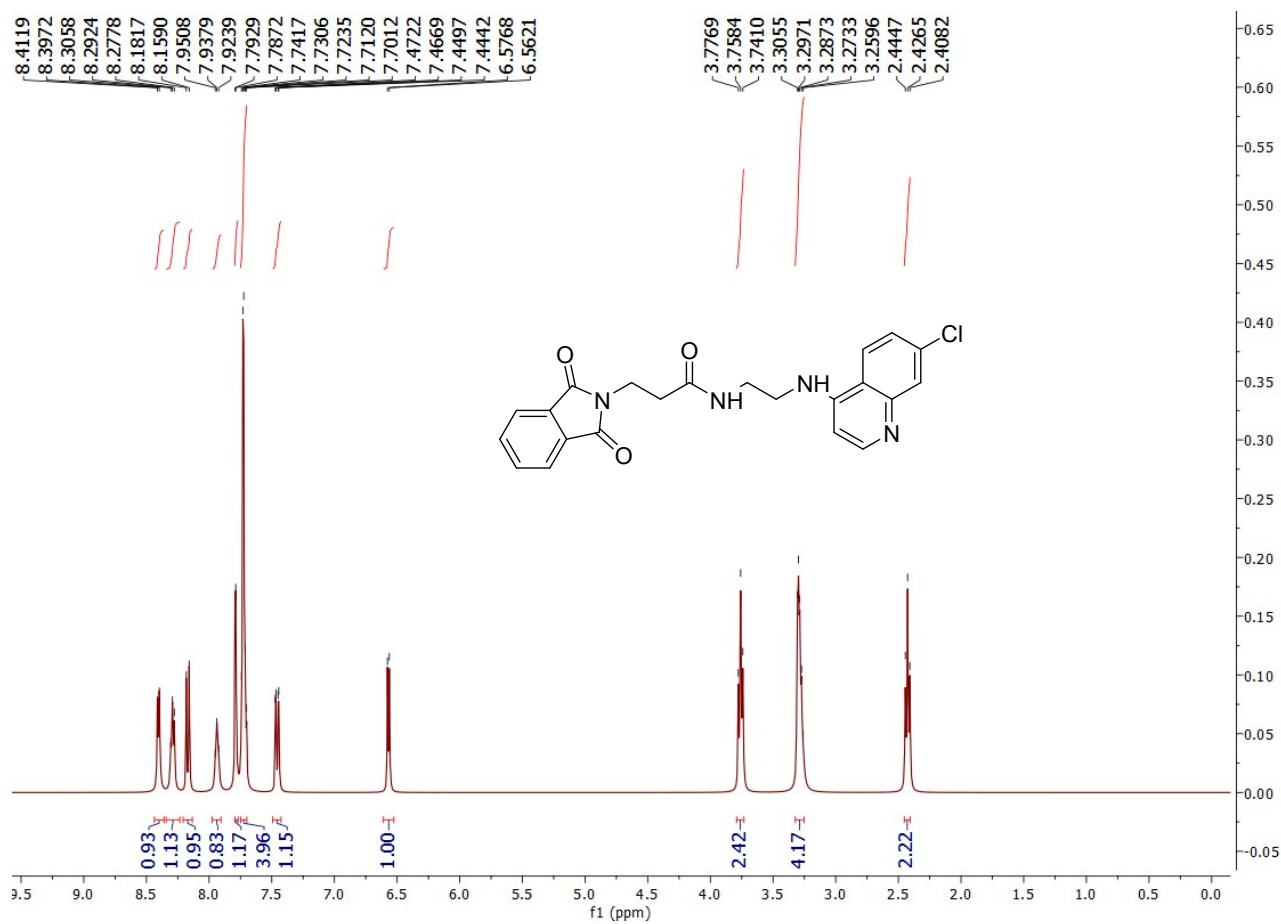
¹H NMR of N-(6-((7-chloroquinolin-4-yl)amino)hexyl)-2-(1,3-dioxoisindolin-2-yl)acetamide (7c):



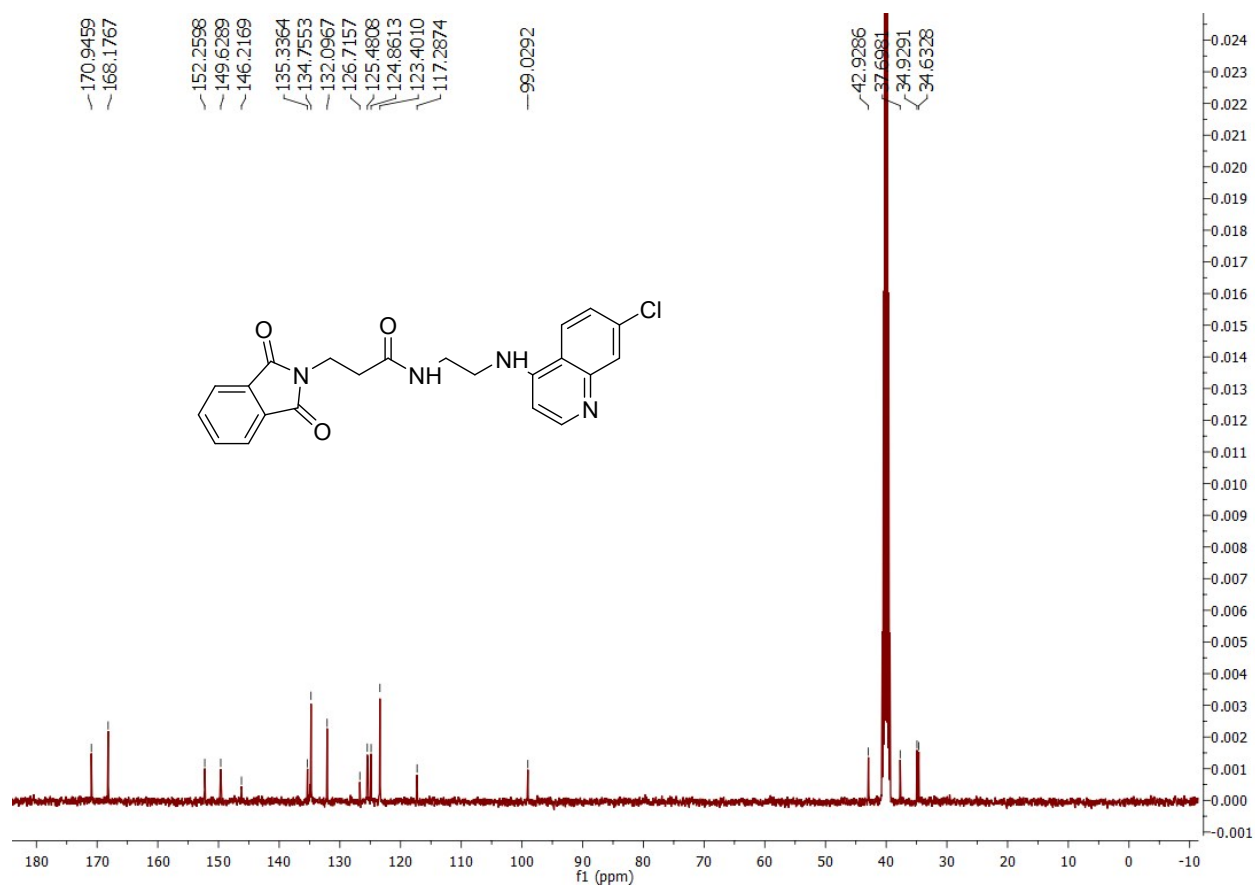
¹³C NMR of N-(6-((7-chloroquinolin-4-yl)amino)hexyl)-2-(1,3-dioxisoindolin-2-yl)acetamide (7c):



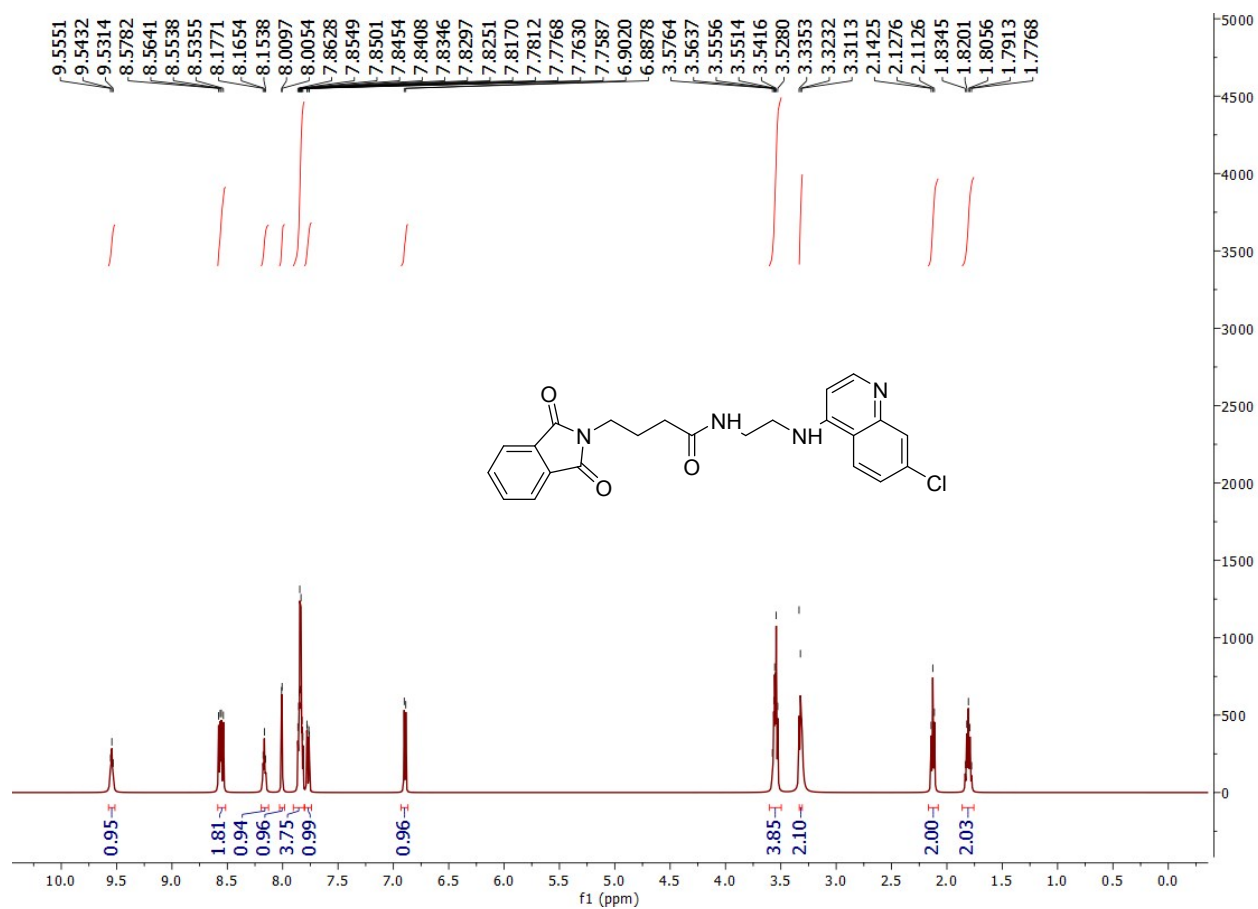
¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(1,3-dioxoisindolin-2-yl)propanamide (7e):



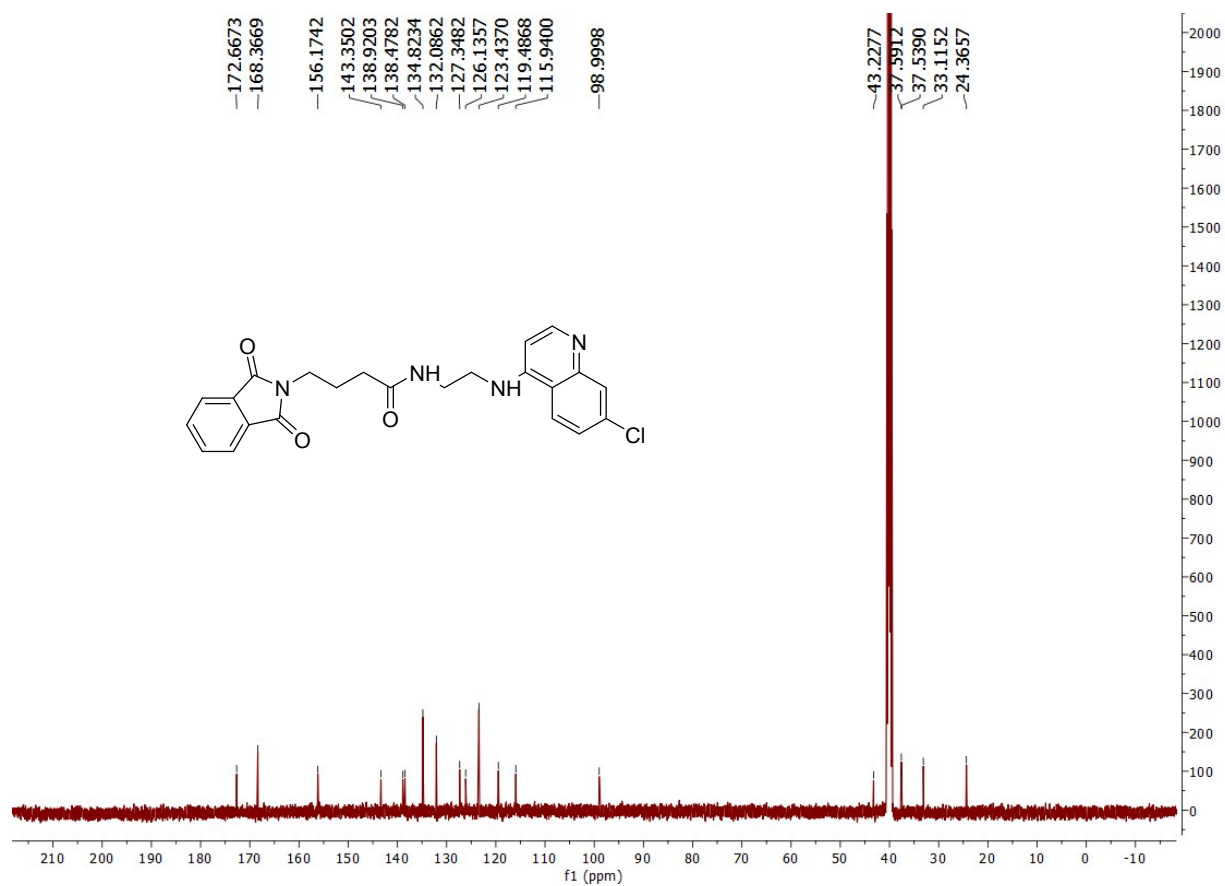
¹³C NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(1,3-dioxoisindolin-2-yl)propanamide (7e):



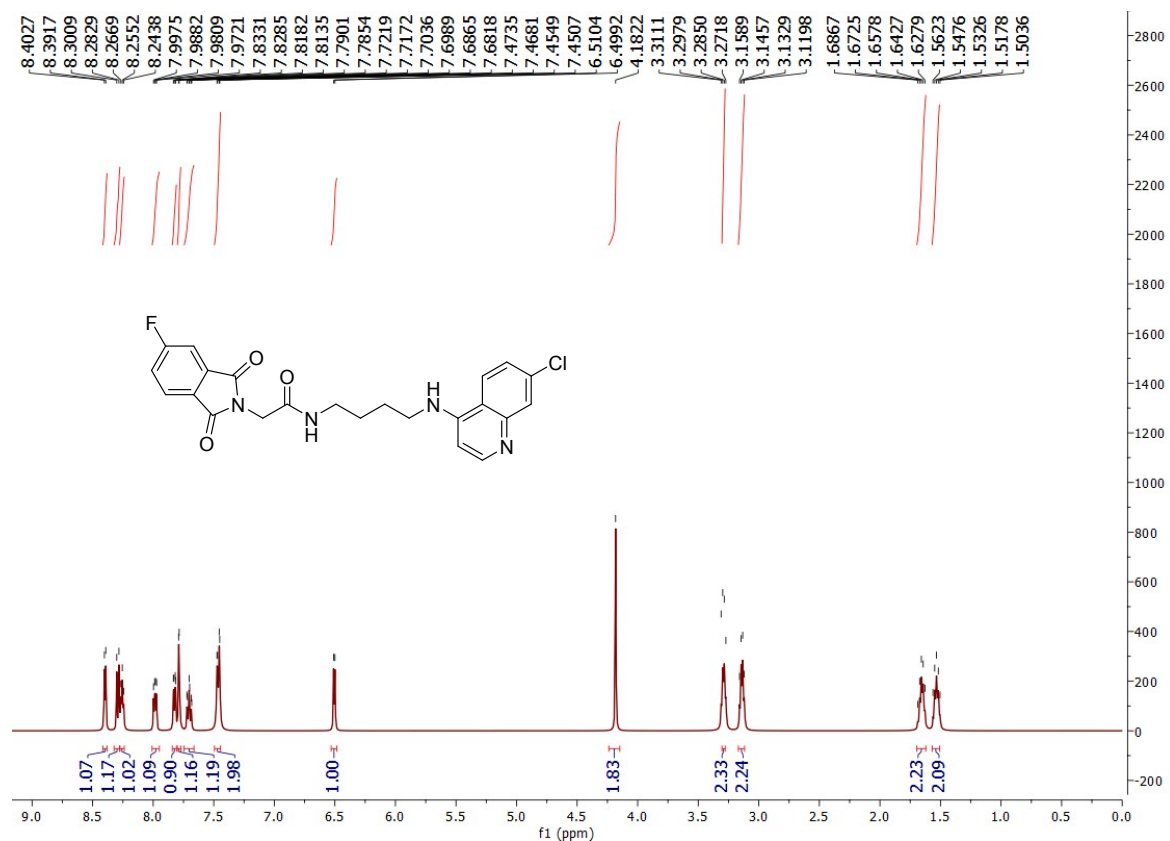
¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-4-(1,3-dioxoisindolin-2-yl)butanamide (7i):



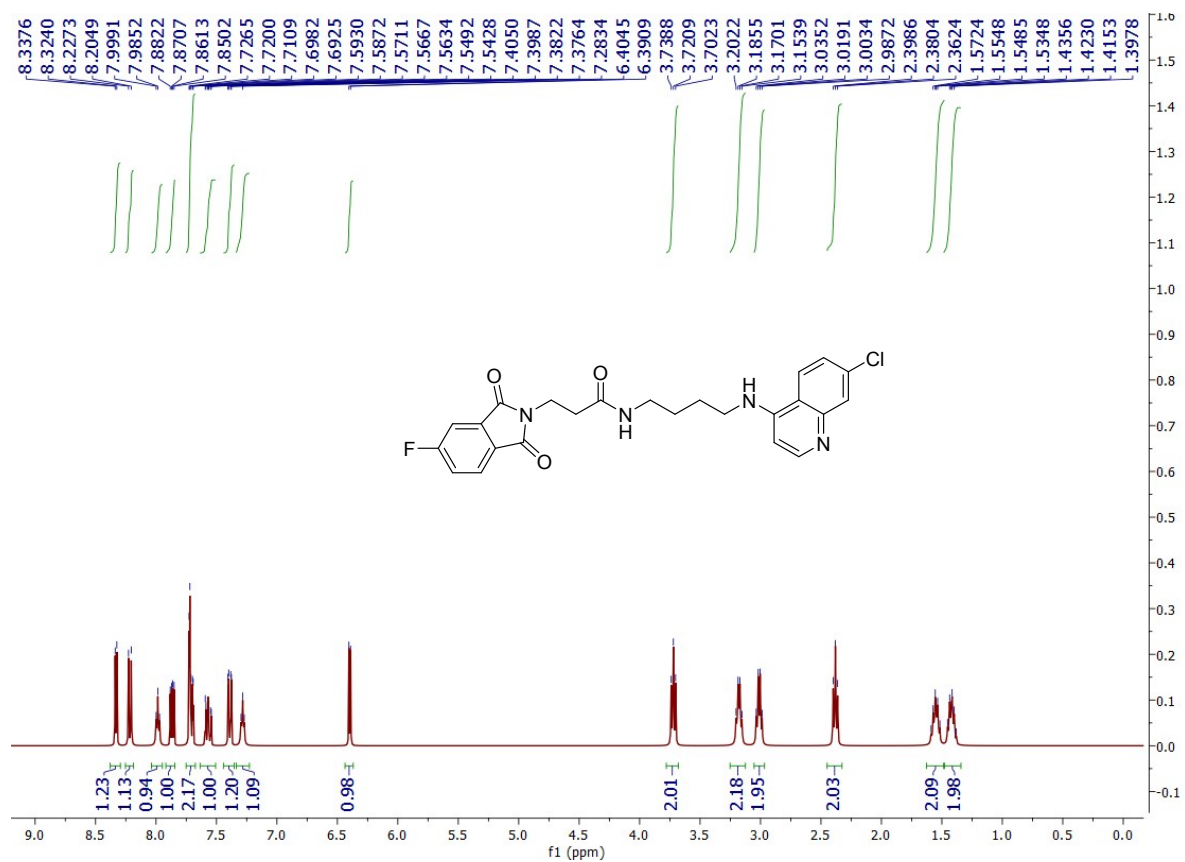
¹³C NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-4-(1,3-dioxoisindolin-2-yl)butanamide (7i):



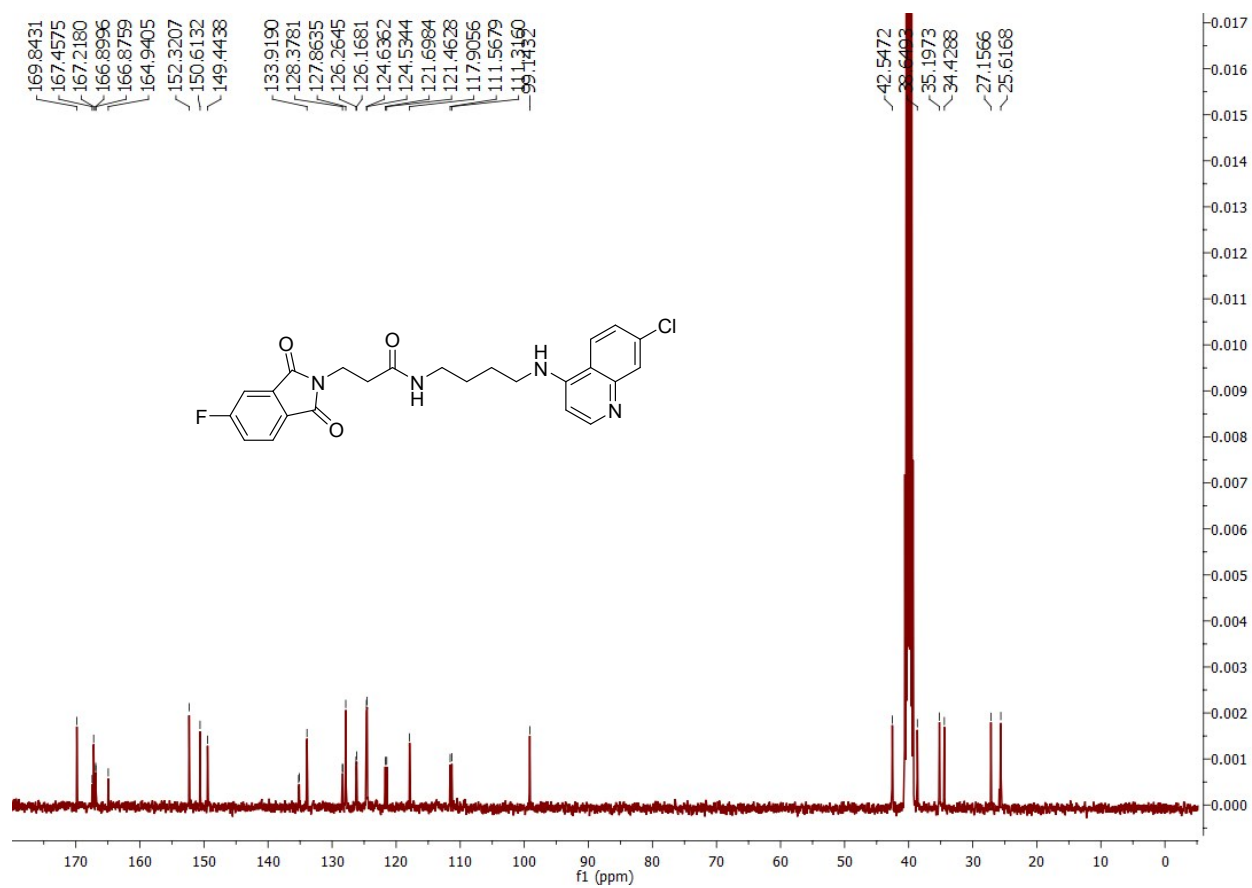
¹H NMR of N-(4-((7-chloroquinolin-4-yl)amino)butyl)-2-(5-fluoro-1,3-dioxoisindolin-2-yl)acetamide (7n):



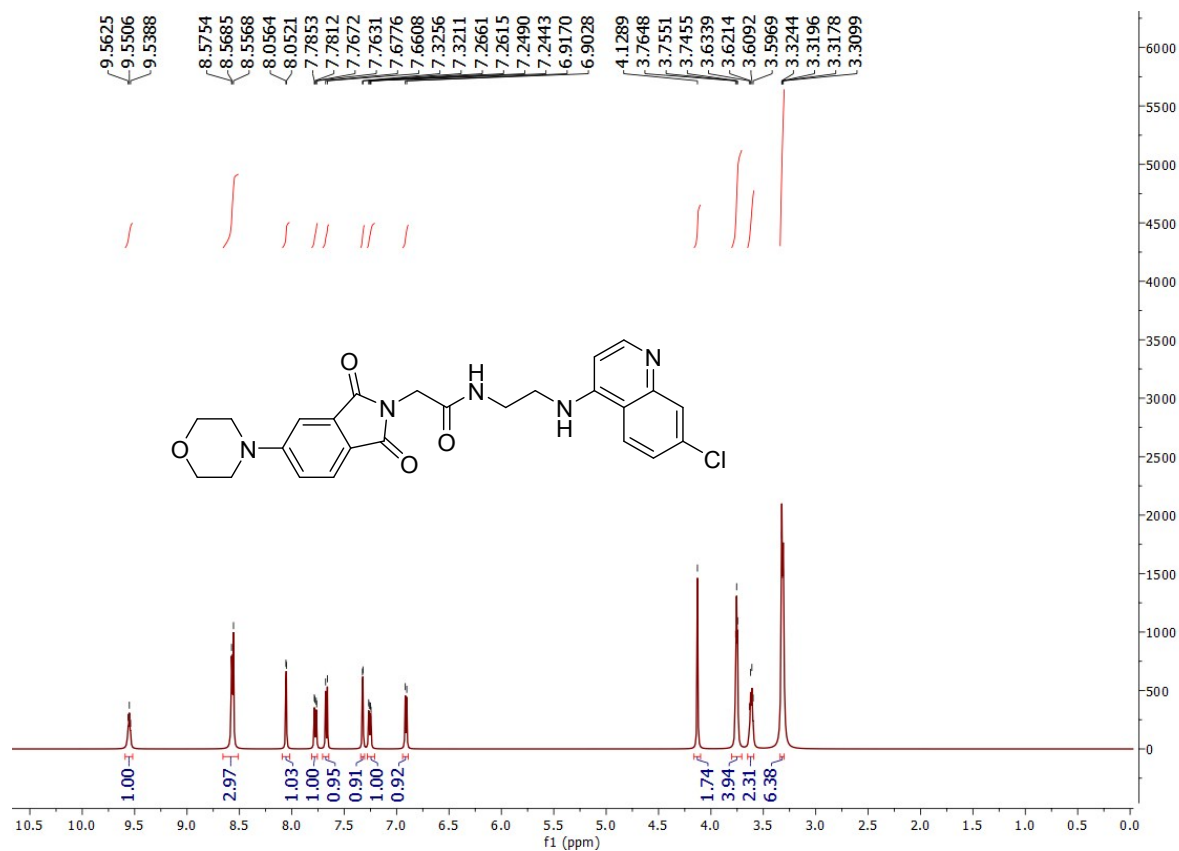
¹H NMR of N-(4-((7-chloroquinolin-4-yl)amino)butyl)-3-(5-fluoro-1,3-dioxoisindolin-2-yl)propanamide (7q):



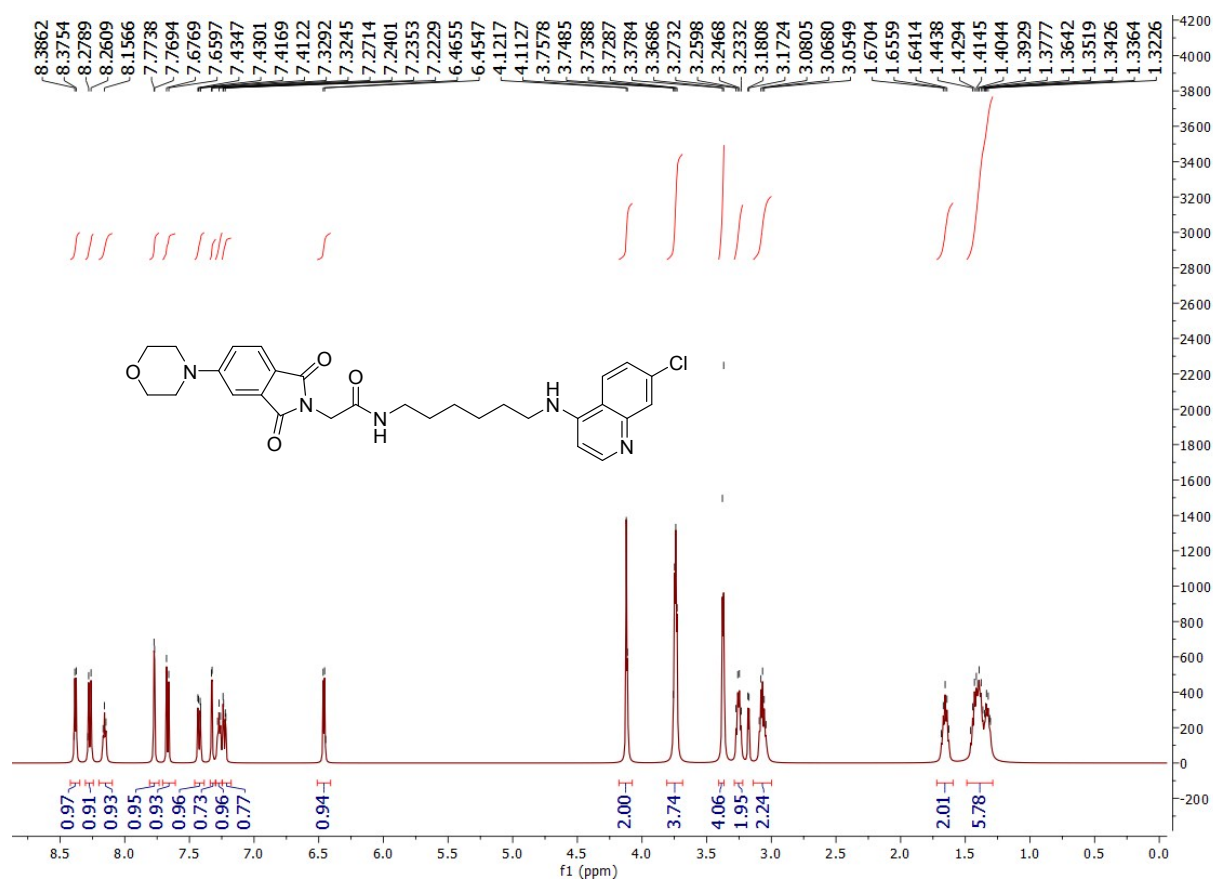
¹³C NMR of N-(4-((7-chloroquinolin-4-yl)amino)butyl)-3-(5-fluoro-1,3-dioxisoindolin-2-yl)propanamide (7q):



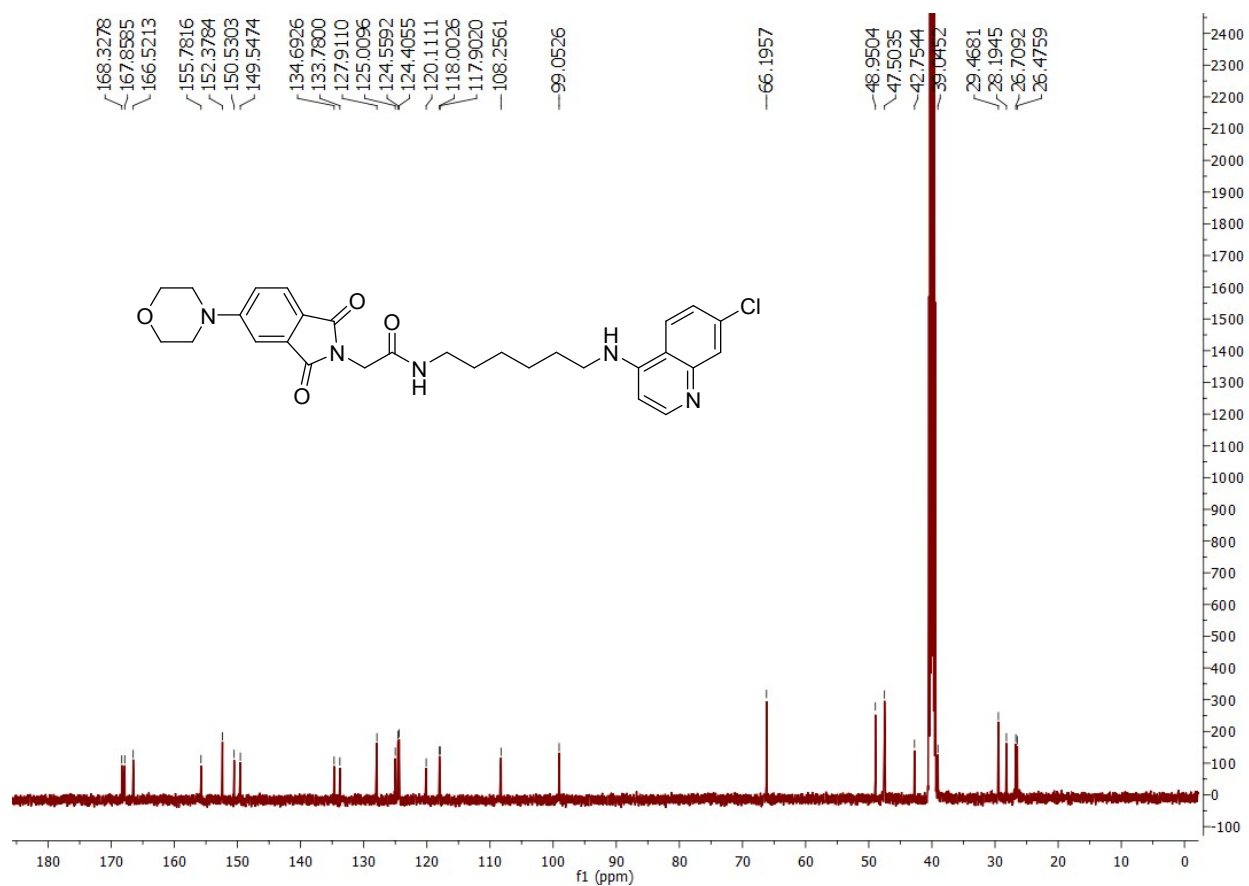
¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-2-(5-morpholino-1,3-dioxisoindolin-2-yl)acetamide (8a):



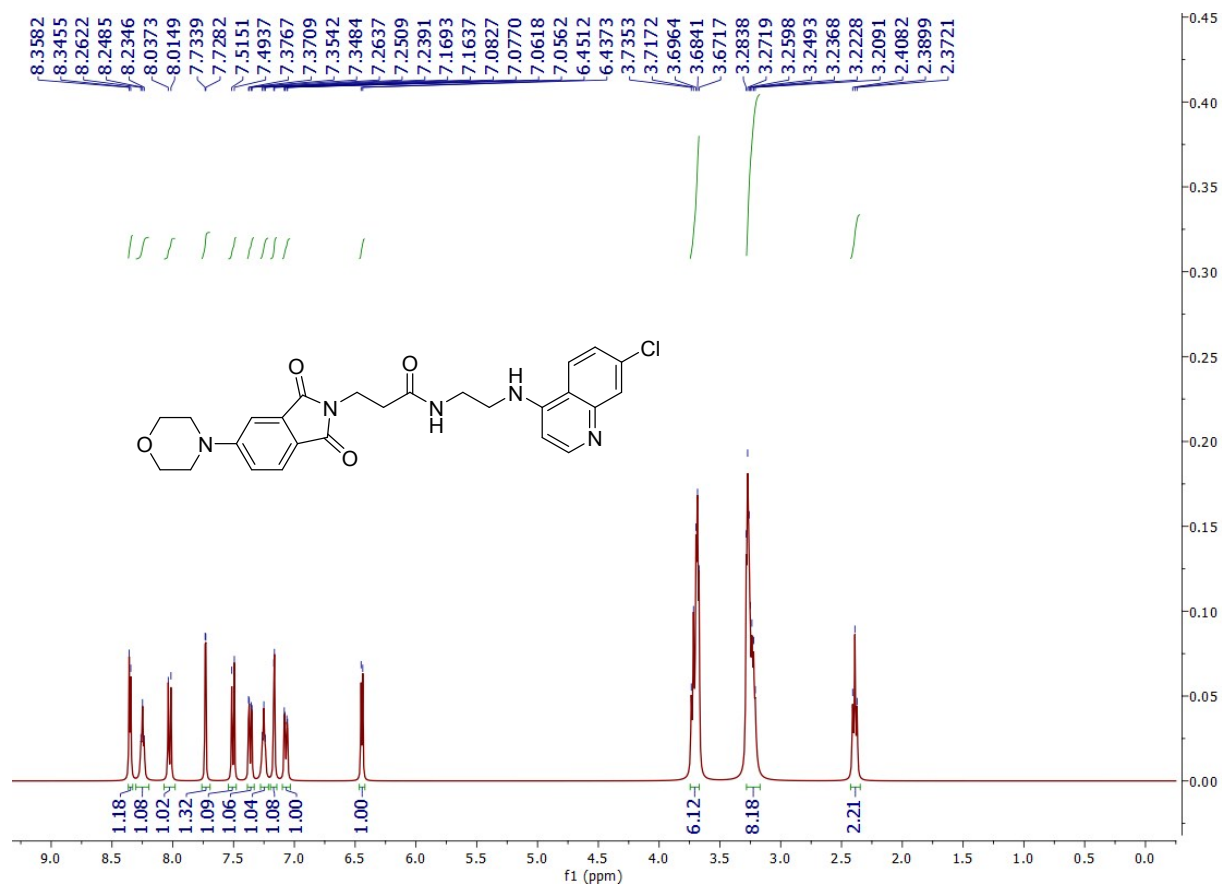
¹H NMR of N-(6-((7-chloroquinolin-4-yl)amino)hexyl)-2-(5-morpholino-1,3-dioxisoindolin-2-yl)acetamide (8c):



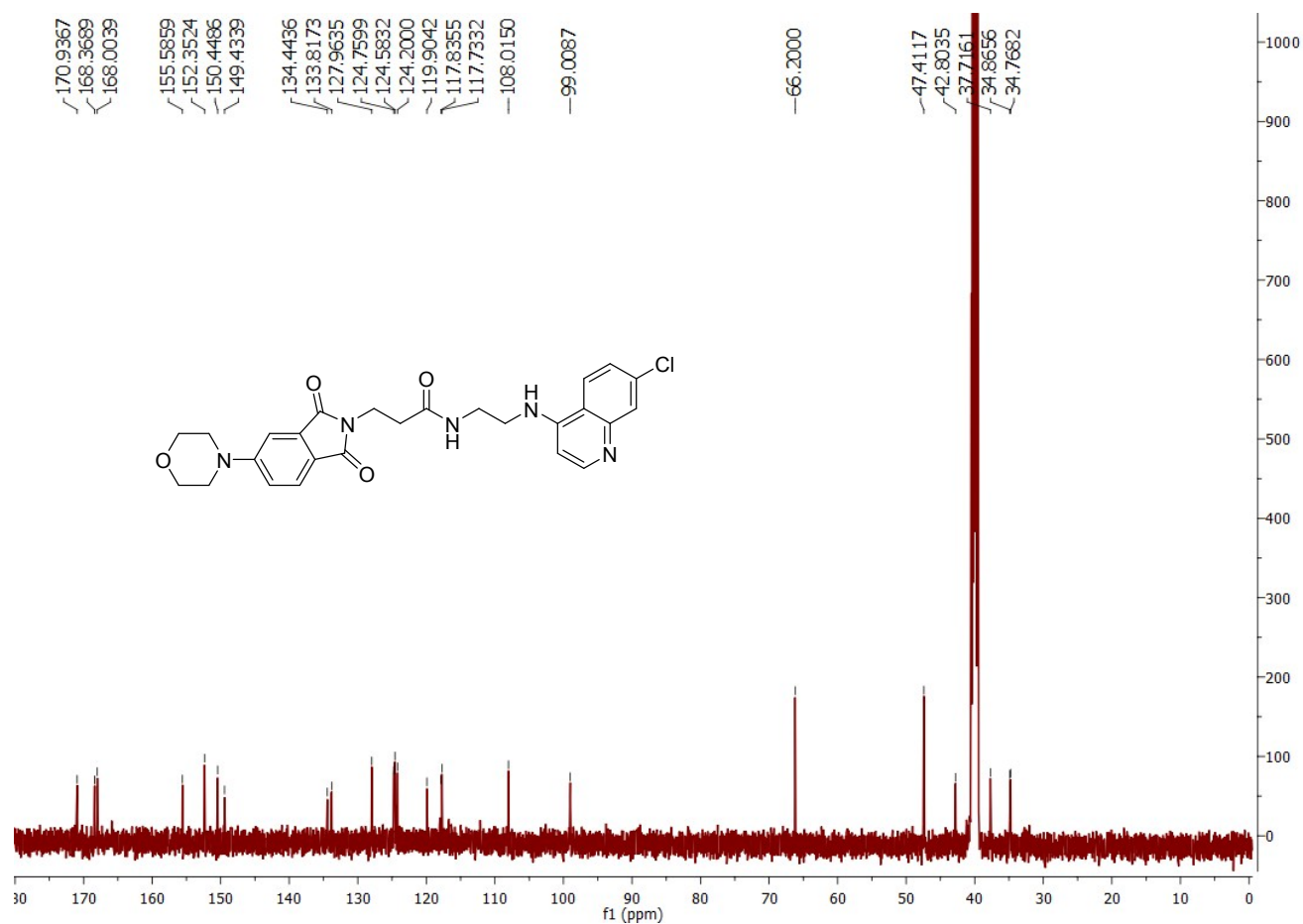
¹³C NMR of N-(6-((7-chloroquinolin-4-yl)amino)hexyl)-2-(5-morpholino-1,3-dioxoisindolin-2-yl)acetamide (8c):



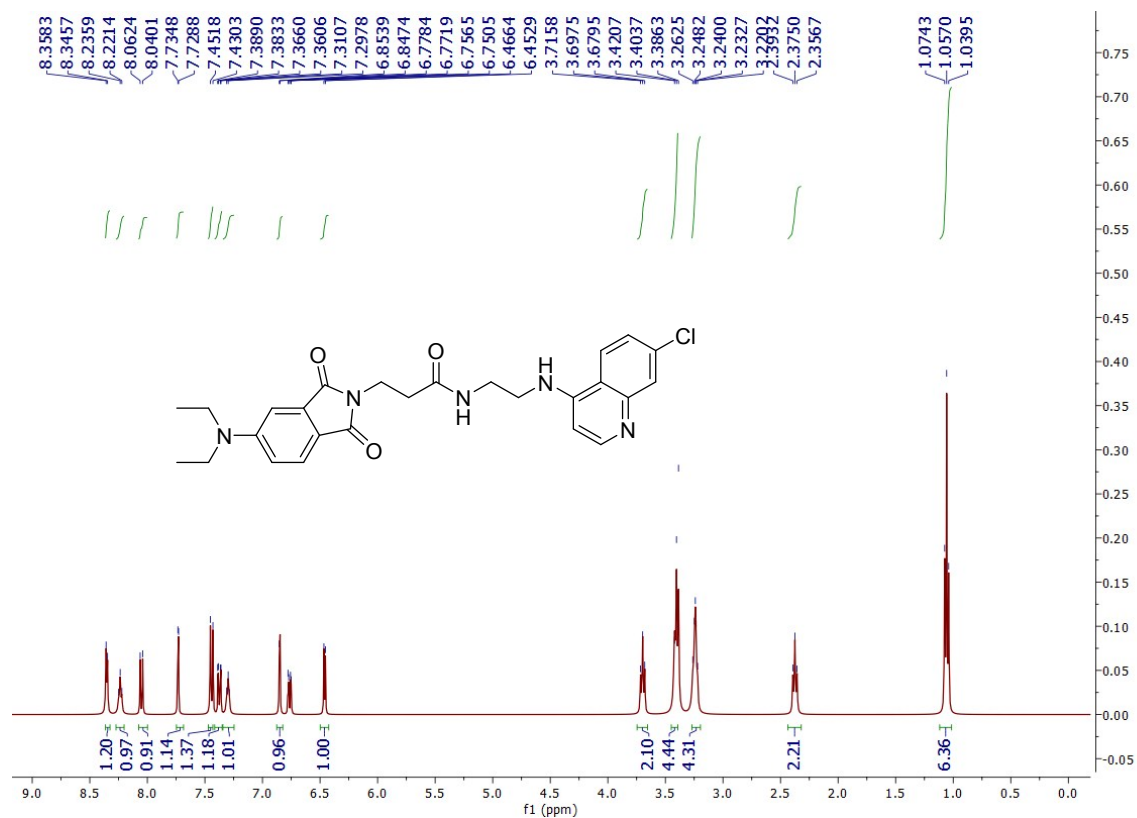
¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(5-morpholino-1,3-dioxisoindolin-2-yl)propanamide (8d):



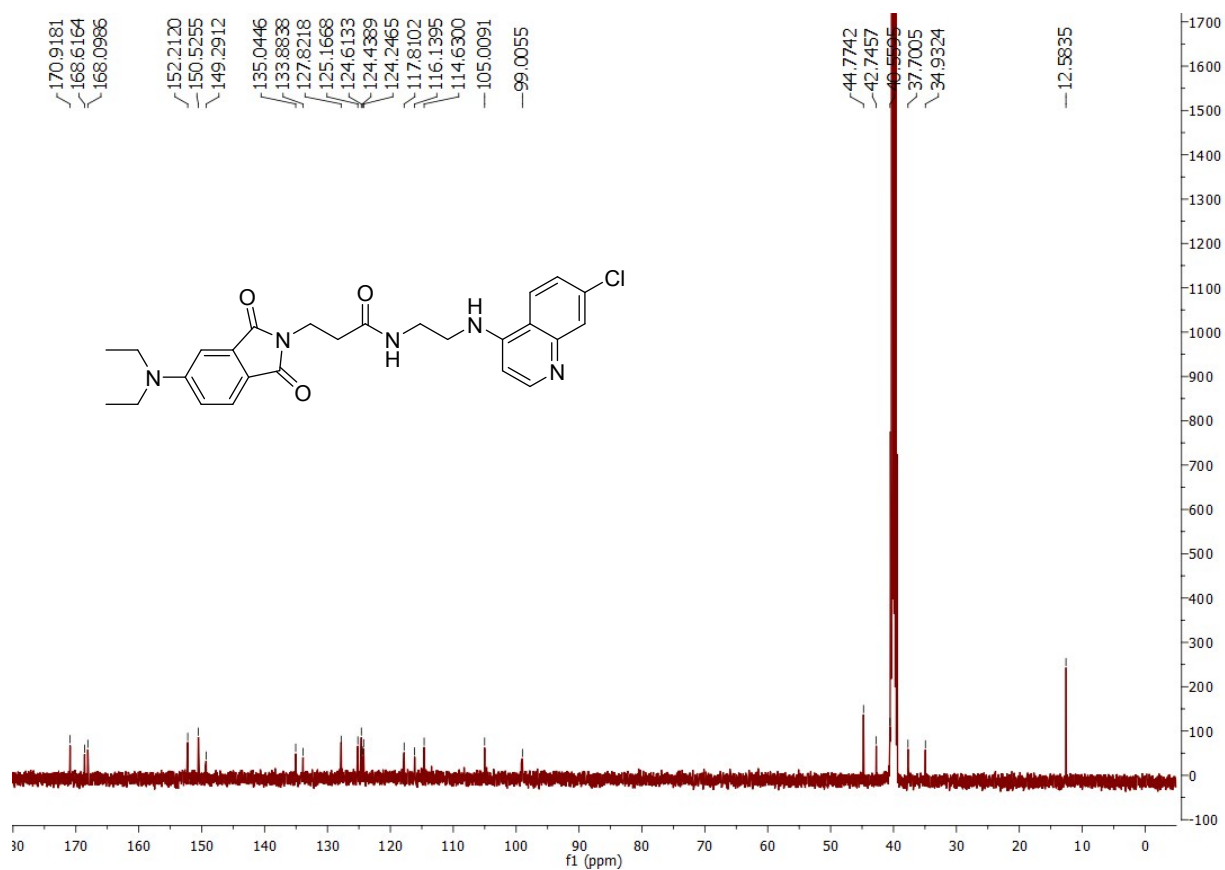
¹³C NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(5-morpholino-1,3-dioxisoindolin-2-yl)propanamide (8d):



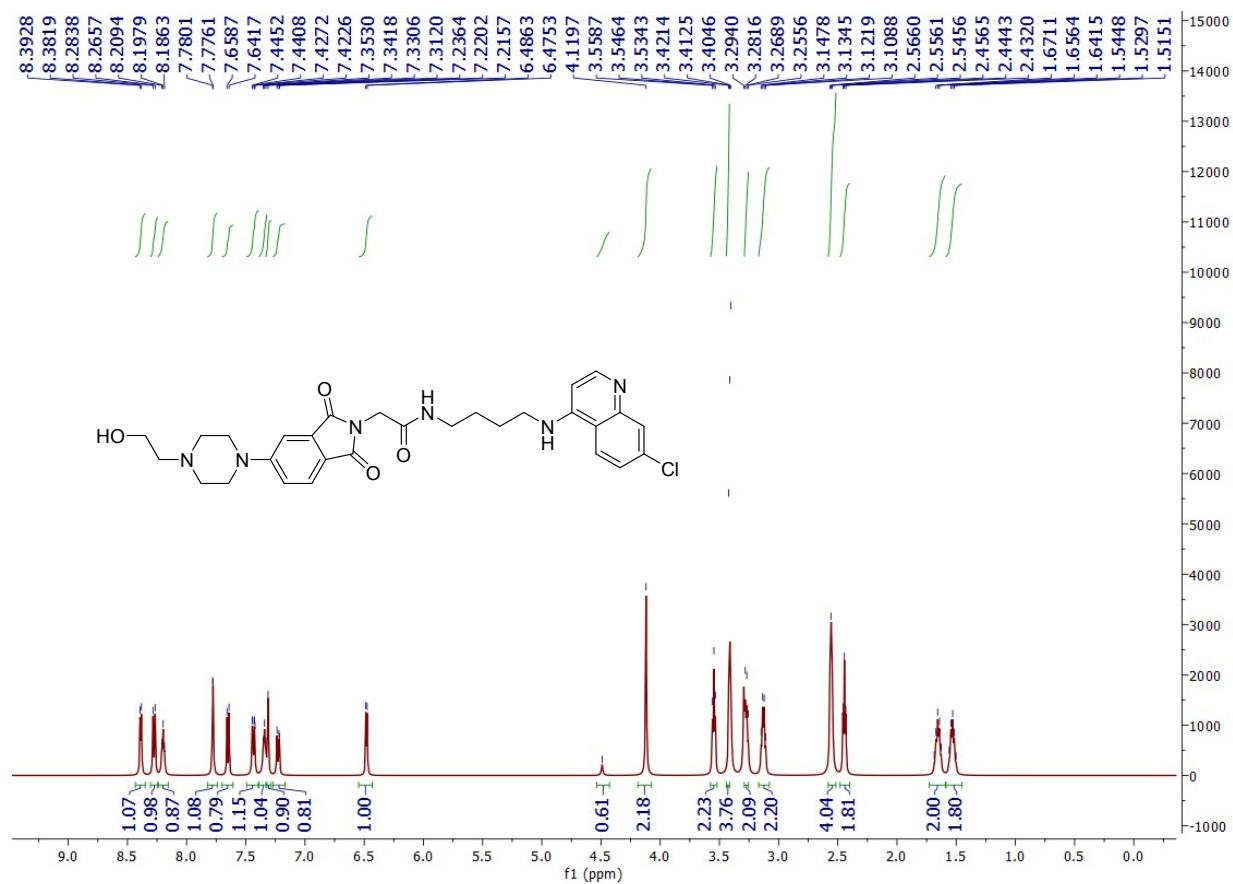
¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(5-(diethylamino)-1,3-dioxoisindolin-2-yl)propanamide (8j):



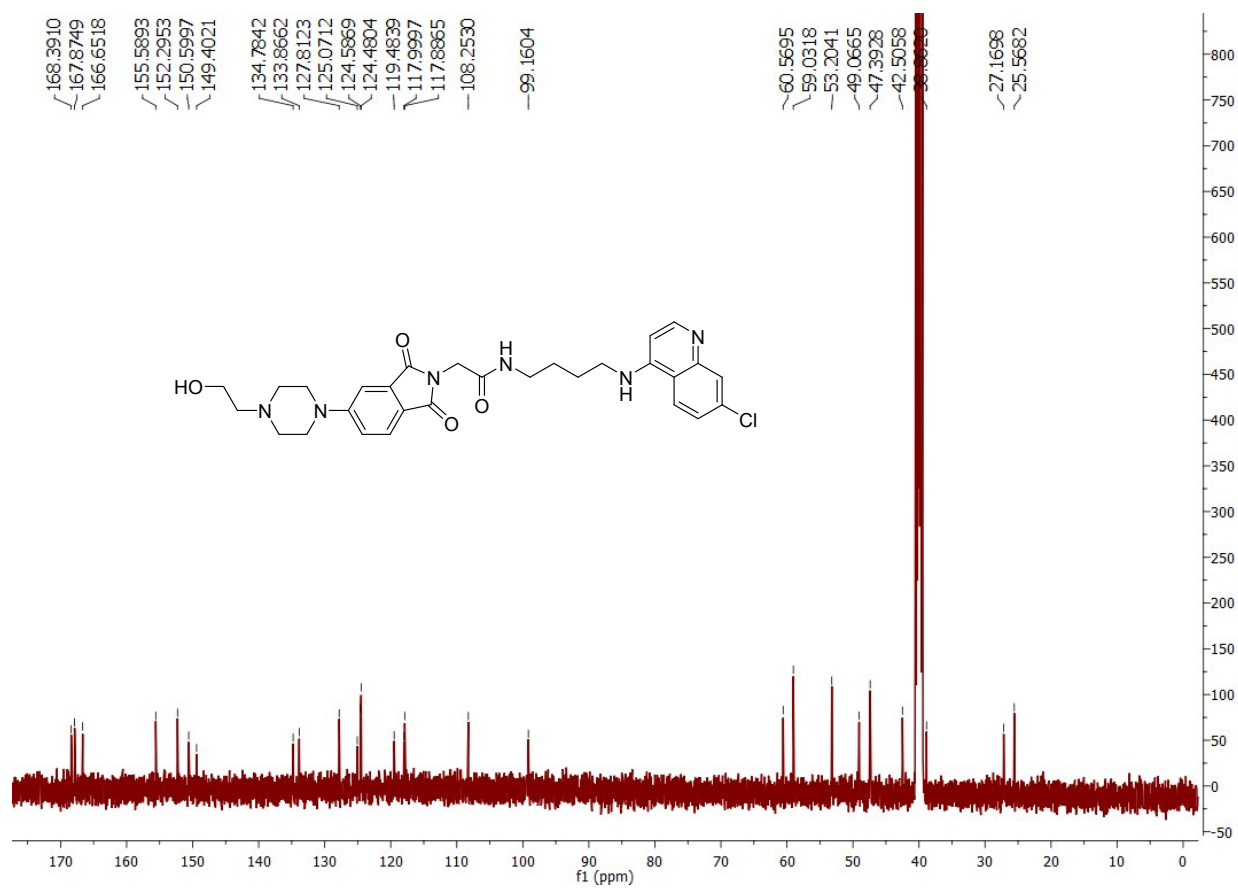
¹³C NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(5-(diethylamino)-1,3-dioxisoindolin-2-yl)propanamide (8j):



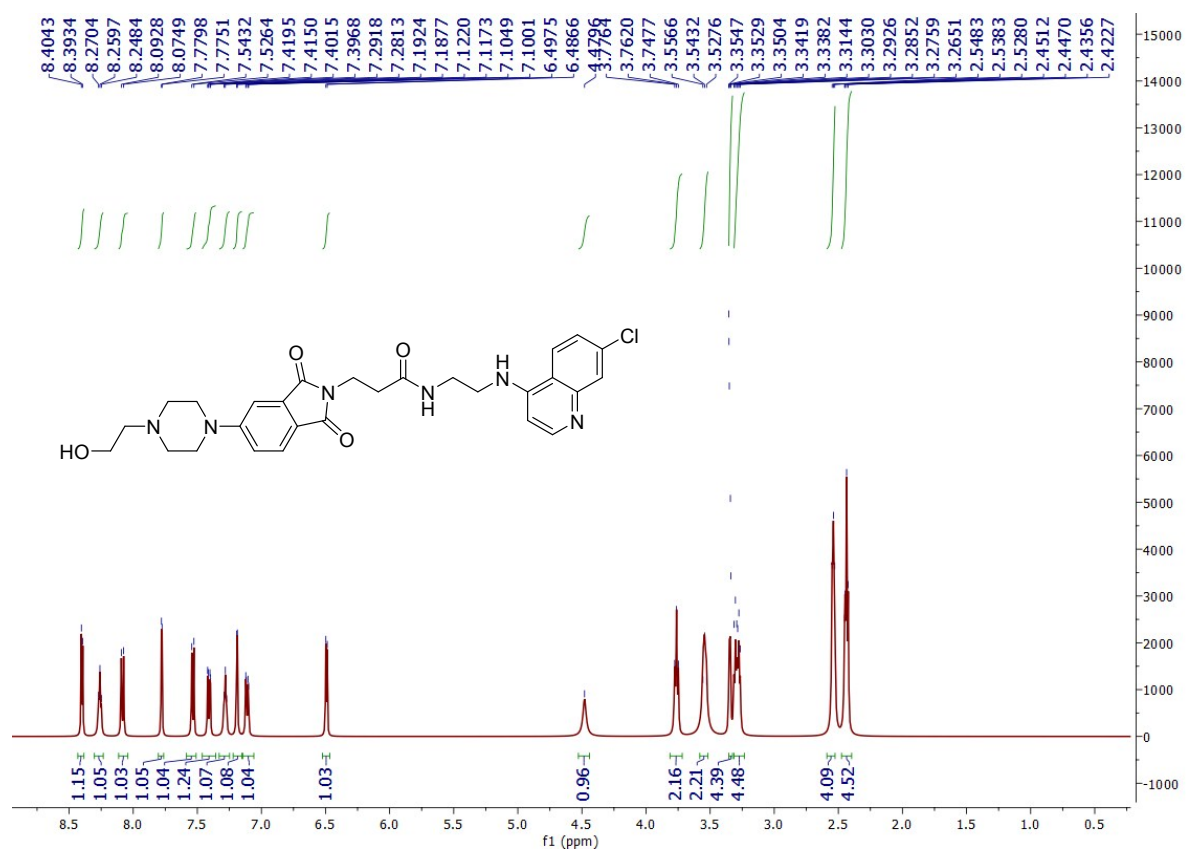
¹H NMR of N-(4-((7-chloroquinolin-4-yl)amino)butyl)-2-(5-(4-(2-hydroxyethyl)piperazin-1-yl)-1,3-dioxoisindolin-2-yl)acetamide (8n):



¹³C NMR of N-(4-((7-chloroquinolin-4-yl)amino)butyl)-2-(5-(4-(2-hydroxyethyl)piperazin-1-yl)-1,3-dioxisoindolin-2-yl)acetamide (8n):



¹H NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(5-(4-(2-hydroxyethyl)piperazin-1-yl)-1,3-dioxoisindolin-2-yl)propanamide (8p):



¹³C NMR of N-(2-((7-chloroquinolin-4-yl)amino)ethyl)-3-(5-(4-(2-hydroxyethyl)piperazin-1-yl)-1,3-dioxoisindolin-2-yl)propanamide (8p):

