

Article

Development of kinase inhibitors via metal-catalyzed C-H arylation of 8-alkyl-thiazolo[5,4-f]-quinazolin-9-ones designed by fragment-growing studies.

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Supporting information

Compounds **1** and **7a-f** were described in ref [15].

Compounds **2a-i** and **3a-b** were described in ref [31]

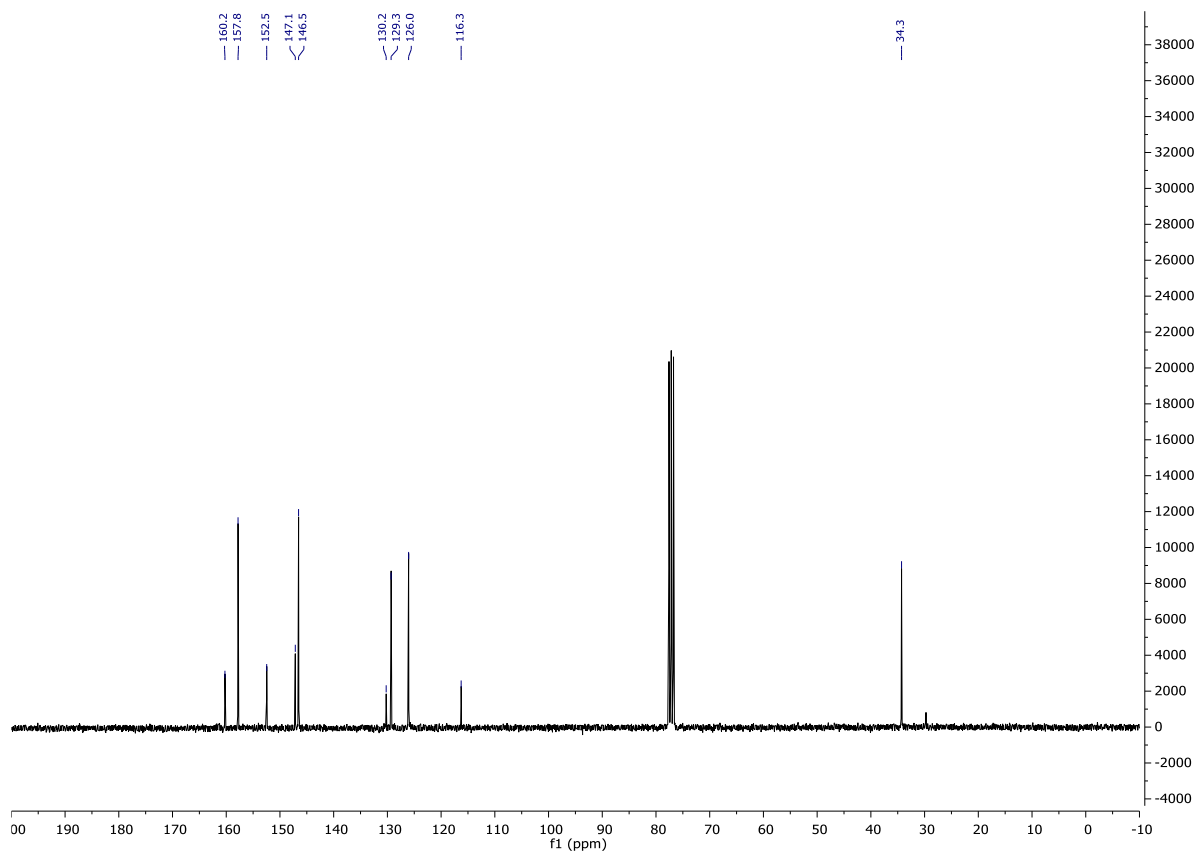
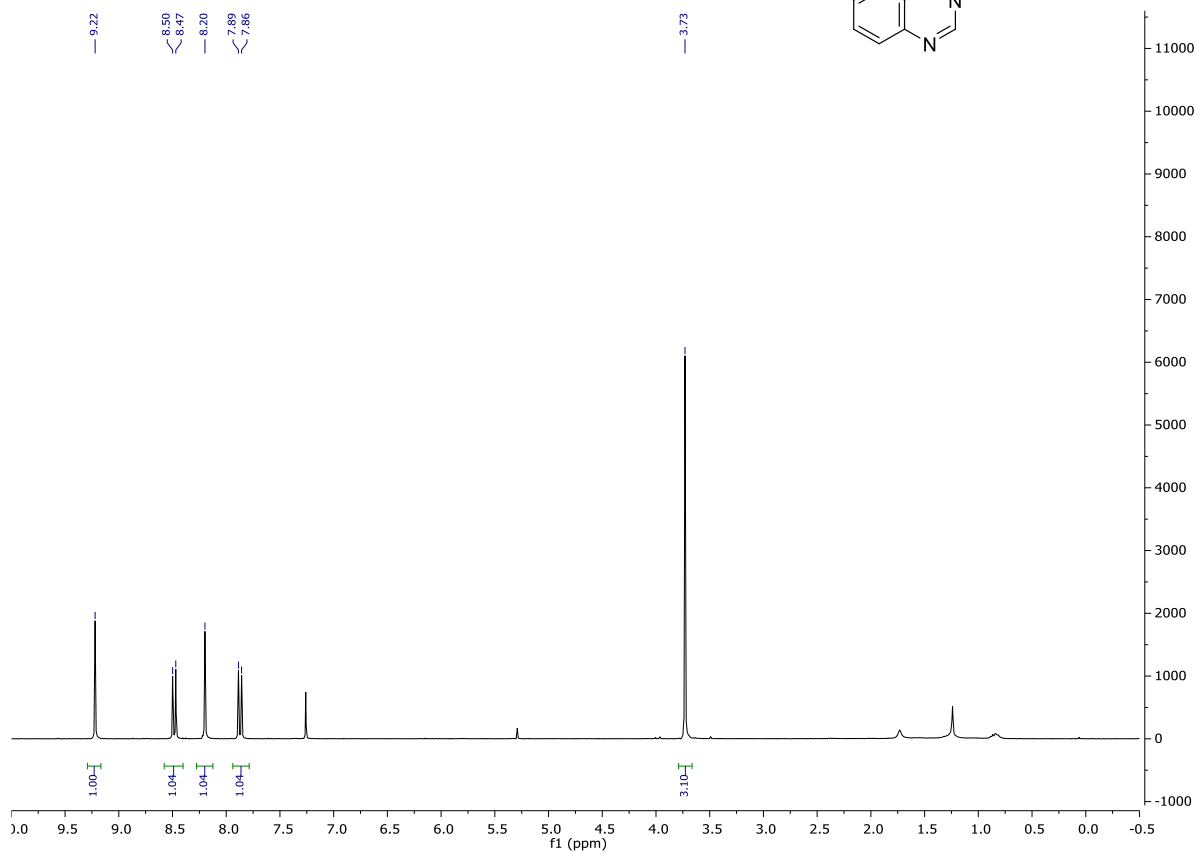
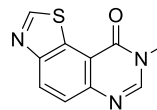
Compounds **2j**, **3c**, **4c**, **9-j** and **10** were described in ref [32];

The new products **8a-f** and **4a**, **4b** and **4d-f** are described below. The lead molecule FC162 (**4c**) is described again.

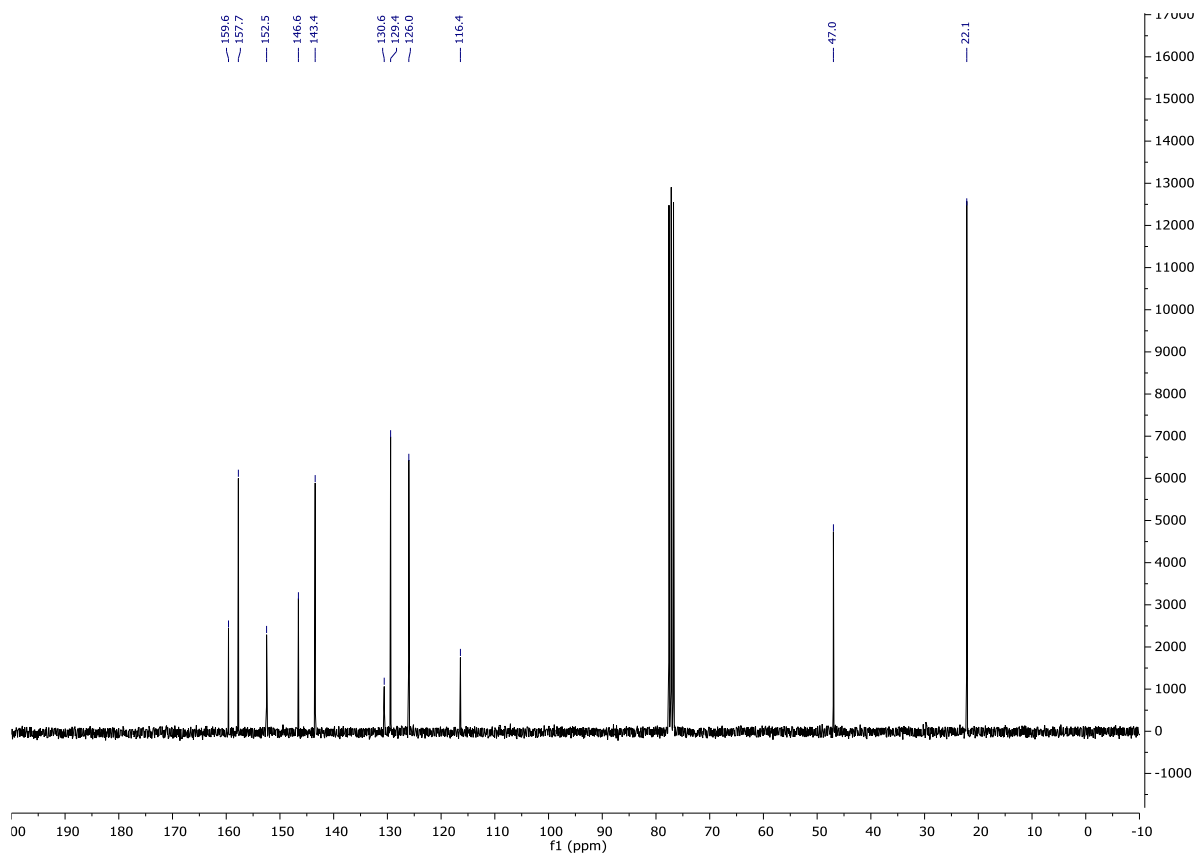
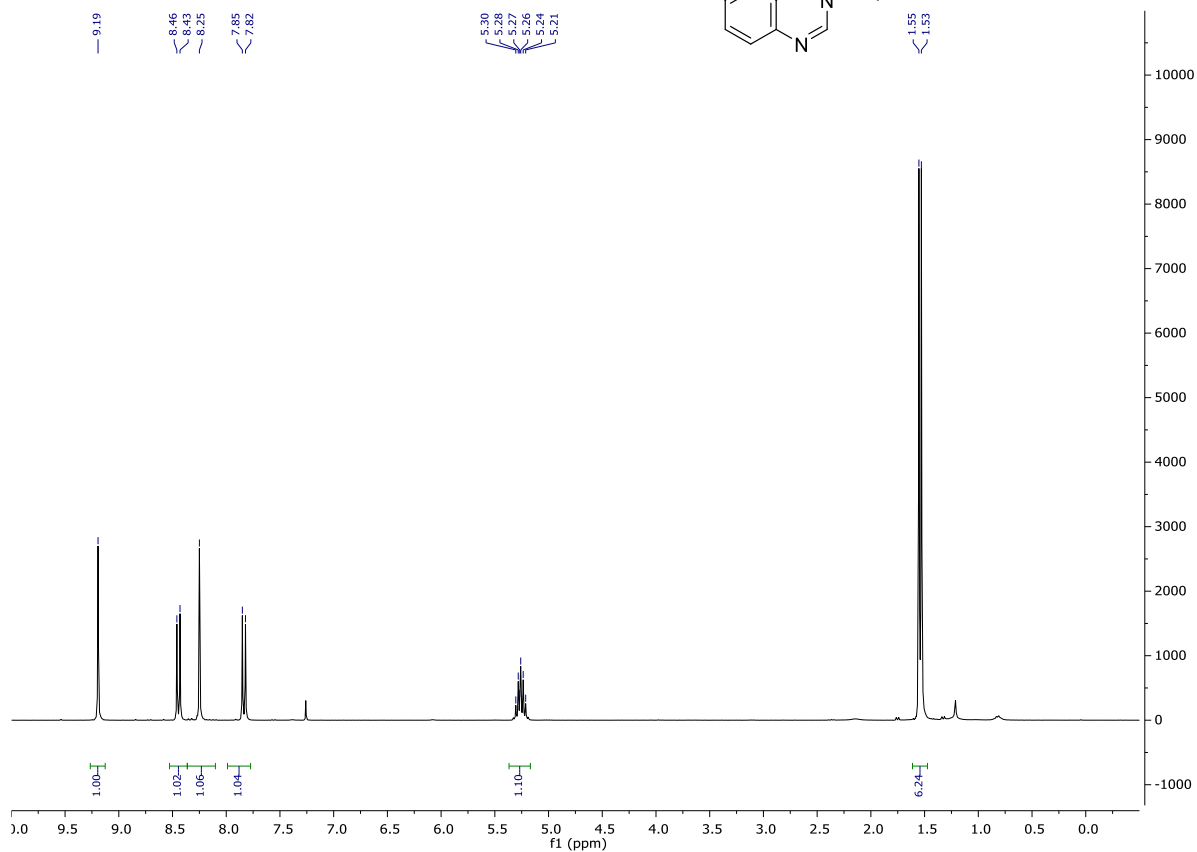
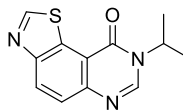
¹H NMR and ¹³C NMR spectra of new compounds **8a-f** and **4a-f**.

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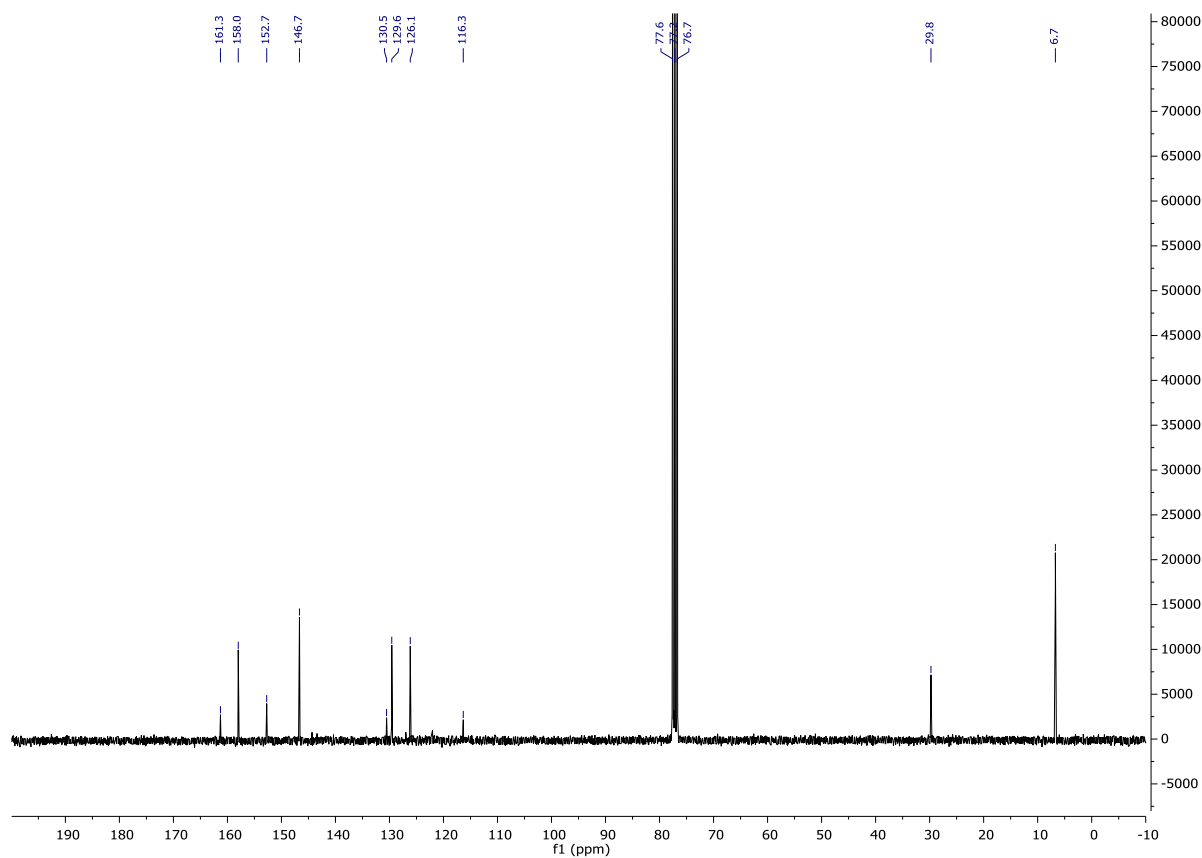
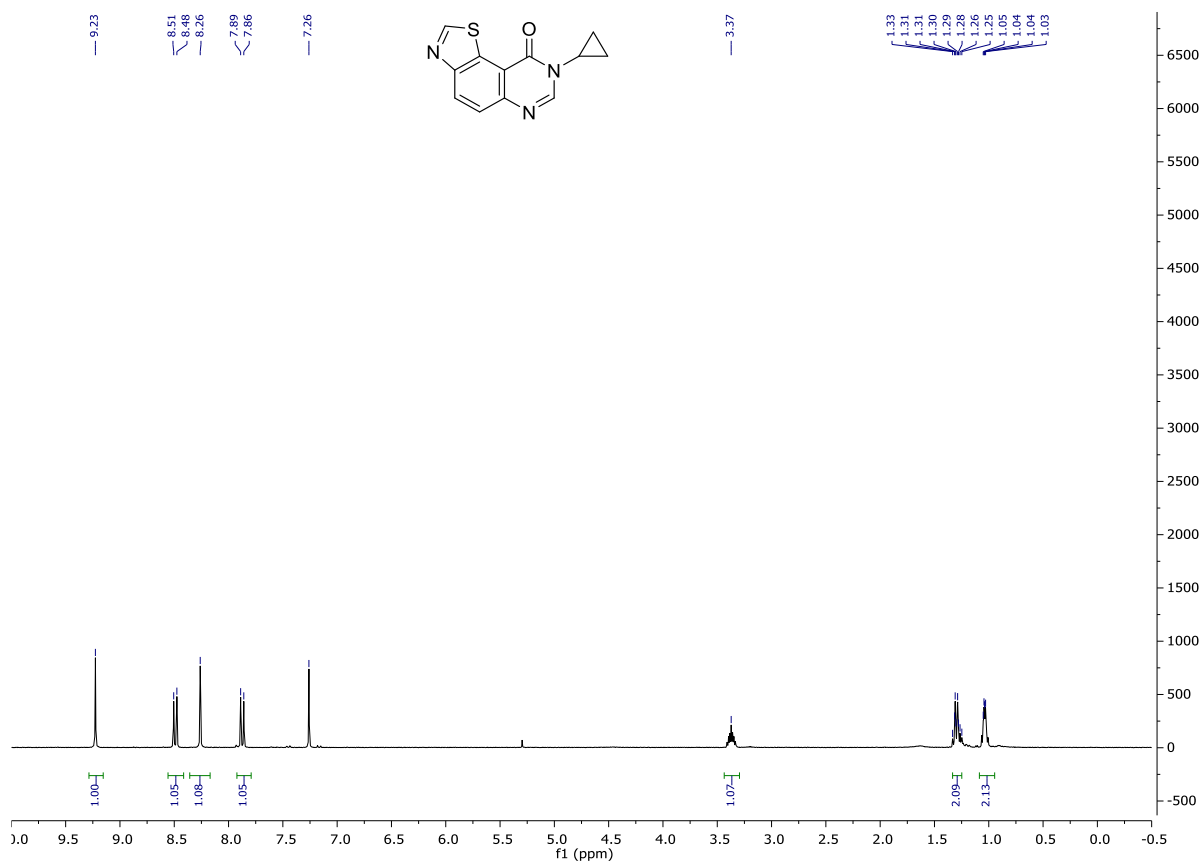
8-Methylthiazolo[5,4-f]quinazolin-9(8H)-one (**8a**)



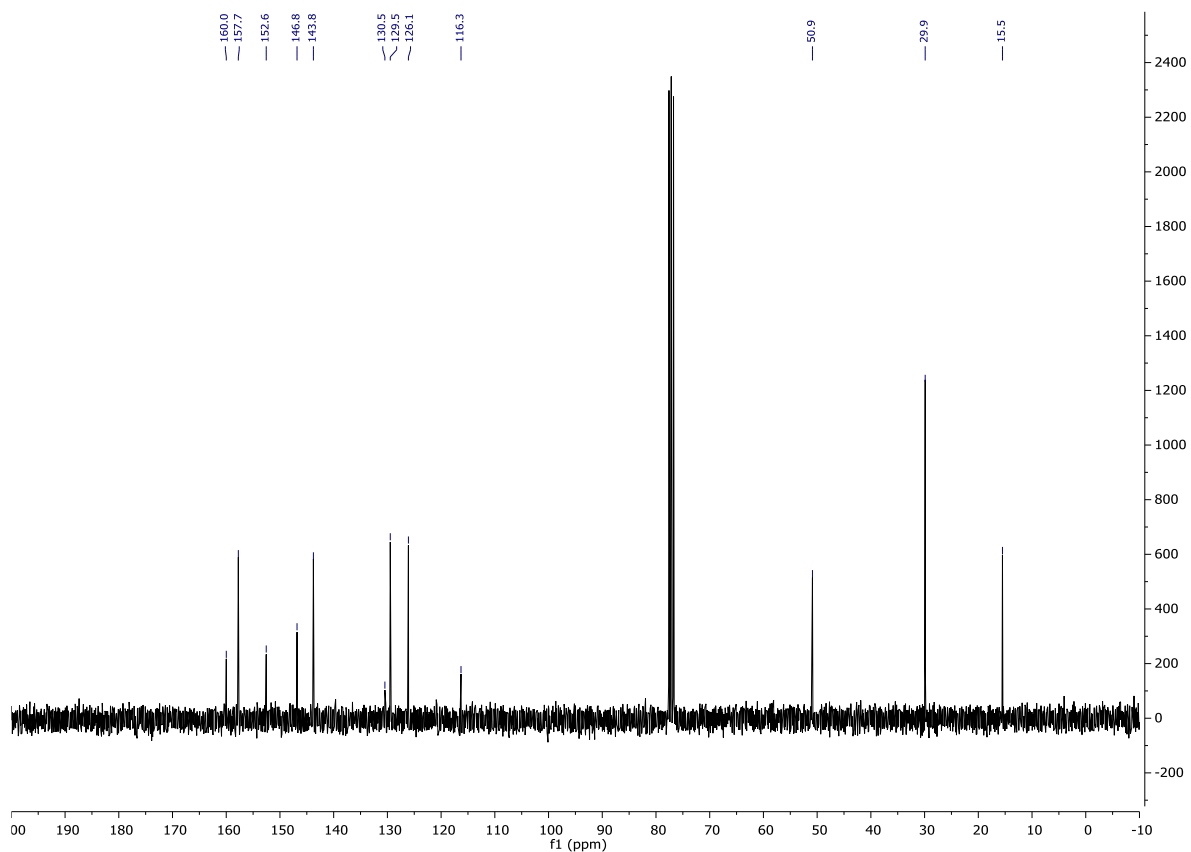
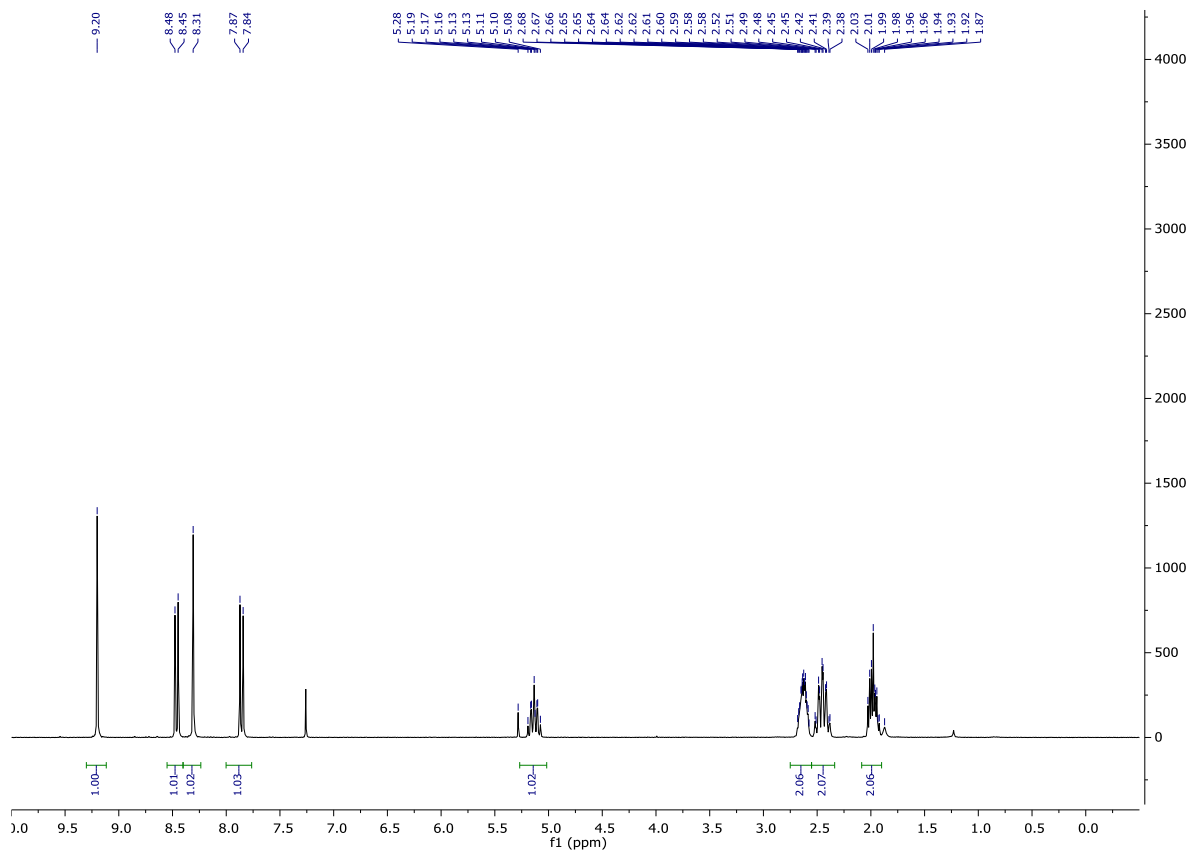
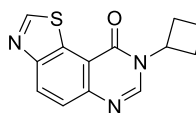
8-Isopropylthiazolo[5,4-f]quinazolin-9(8H)-one (**8b**)



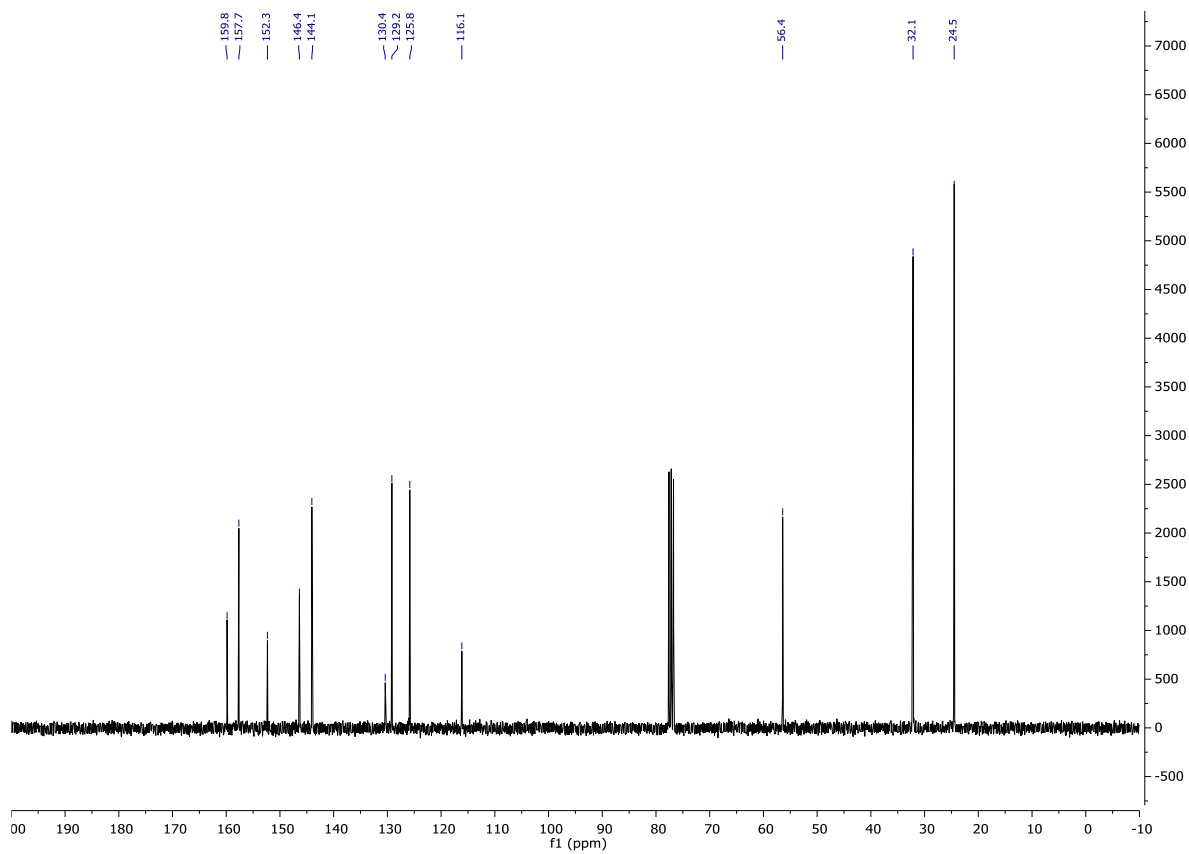
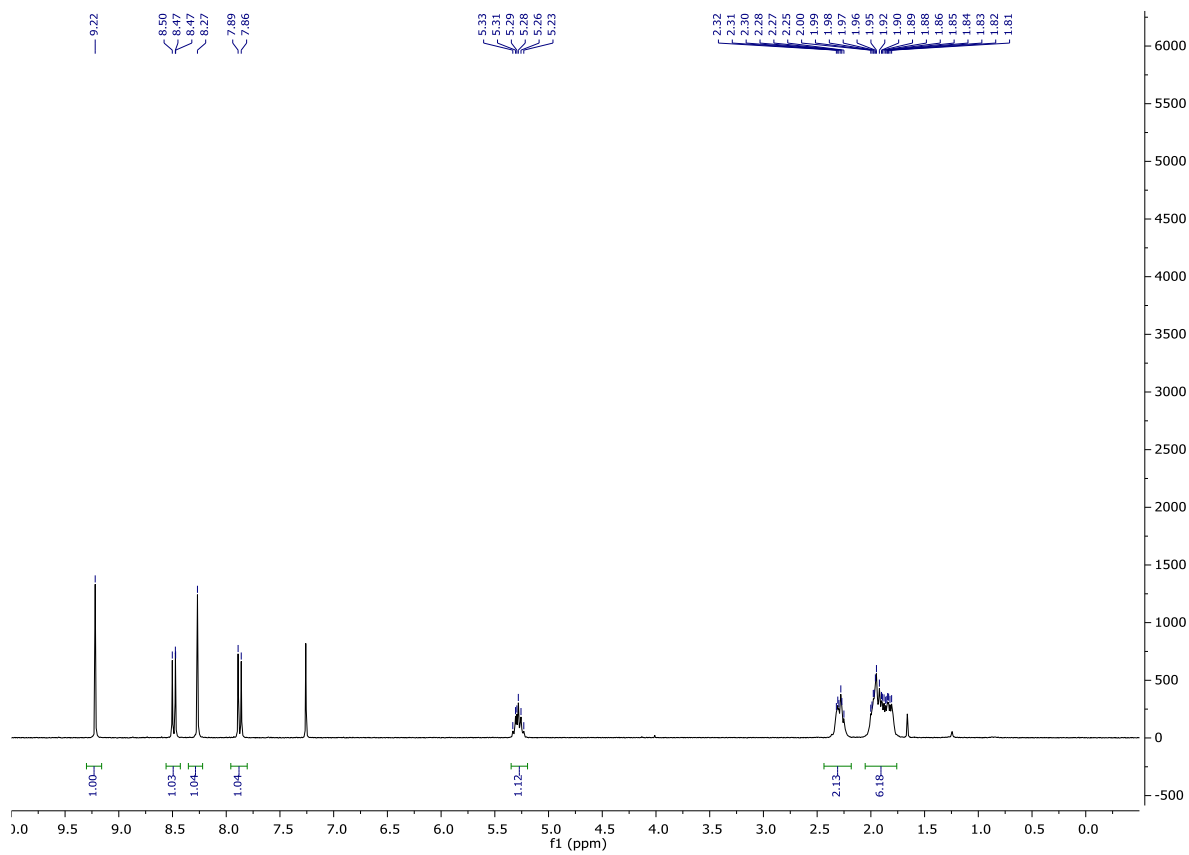
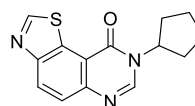
8-Cyclopropylthiazolo[5,4-f]quinazolin-9(8H)-one (8c)



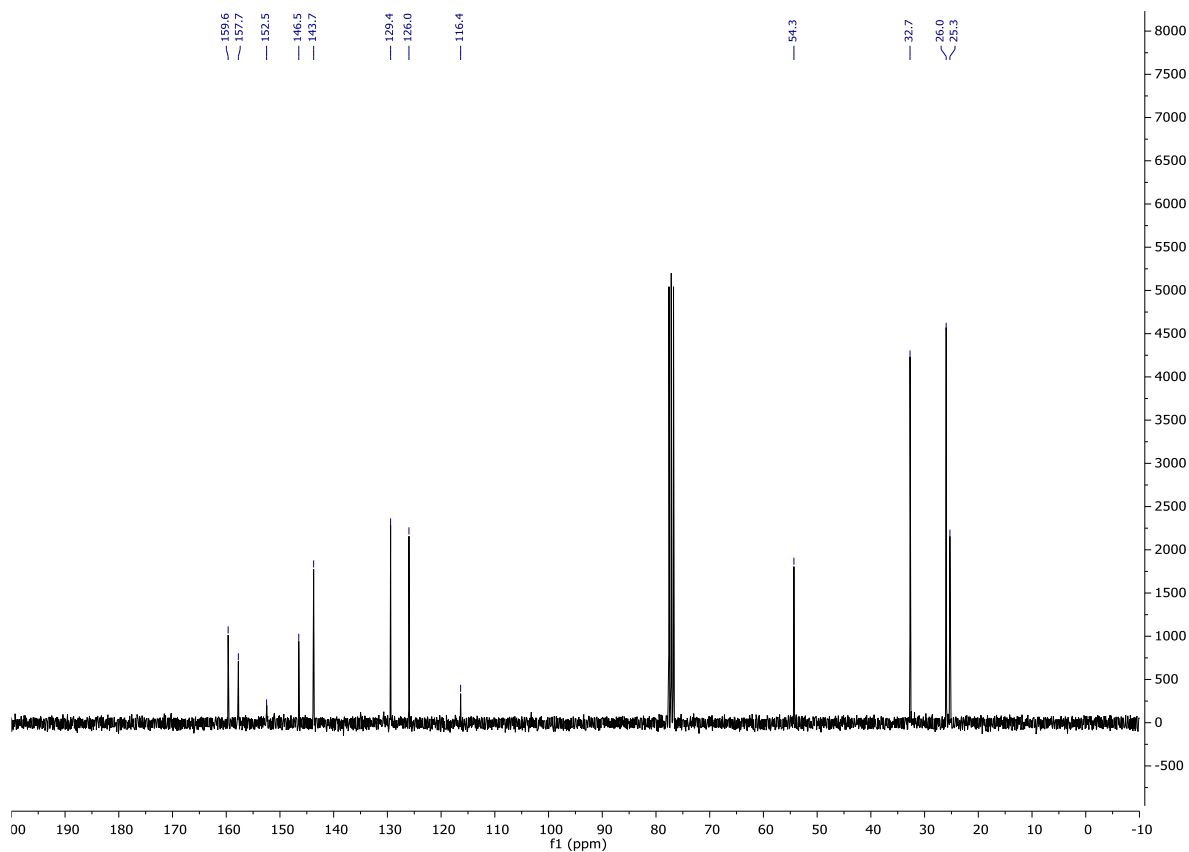
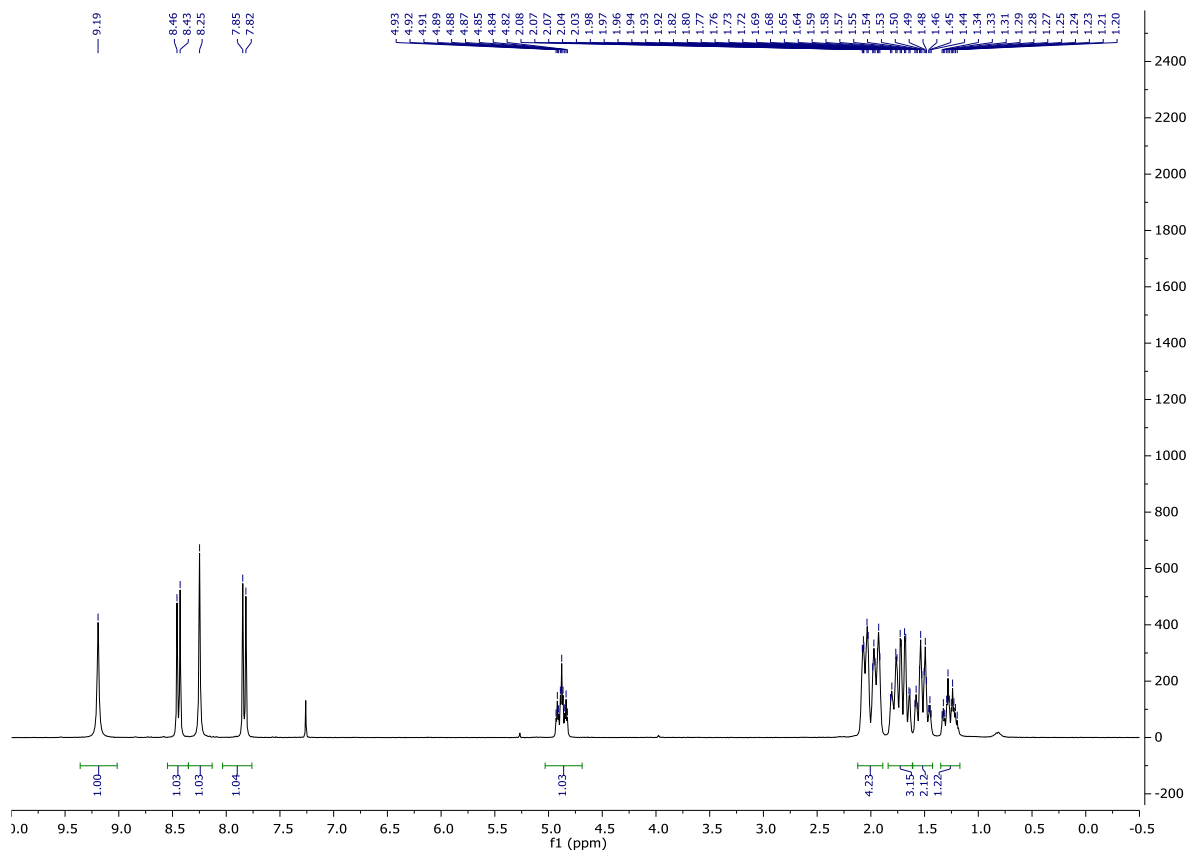
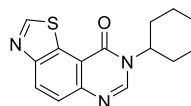
8-Cyclobutylthiazolo[5,4-f]quinazolin-9(8H)-one (**8d**)



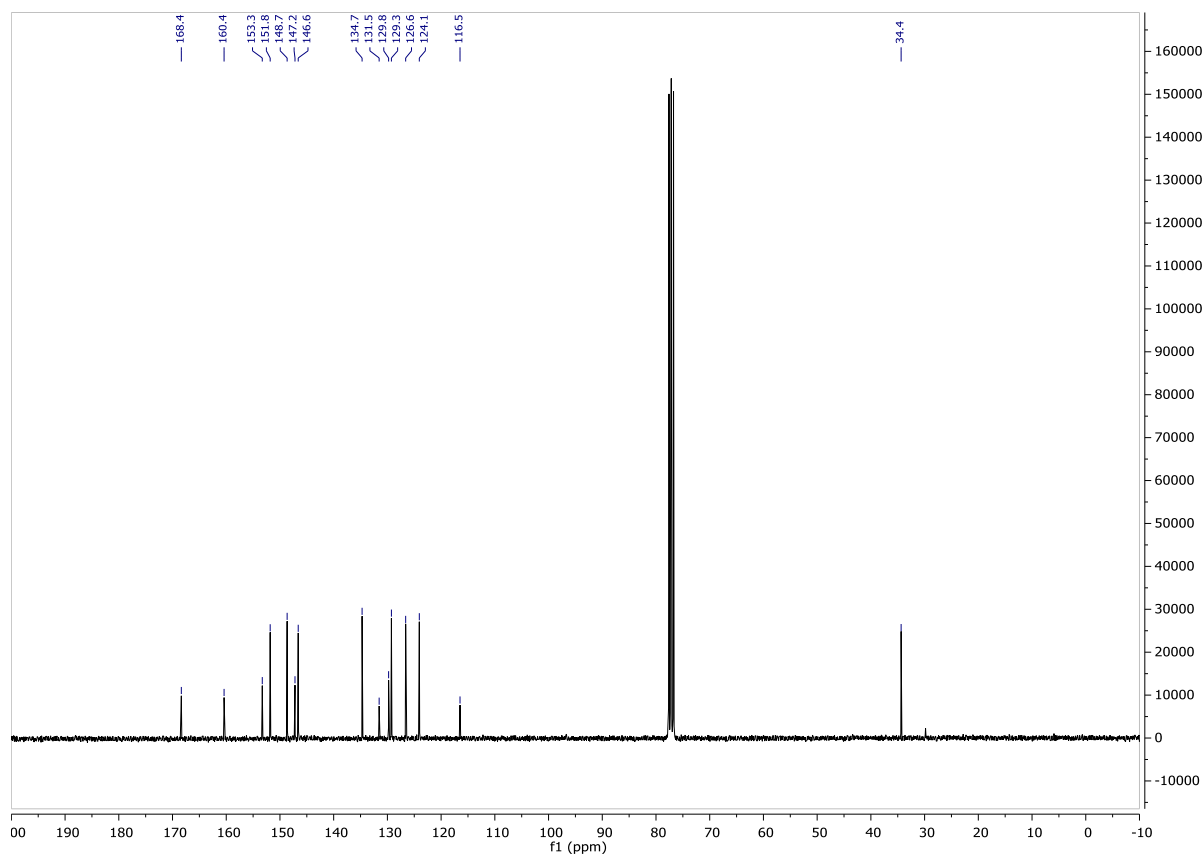
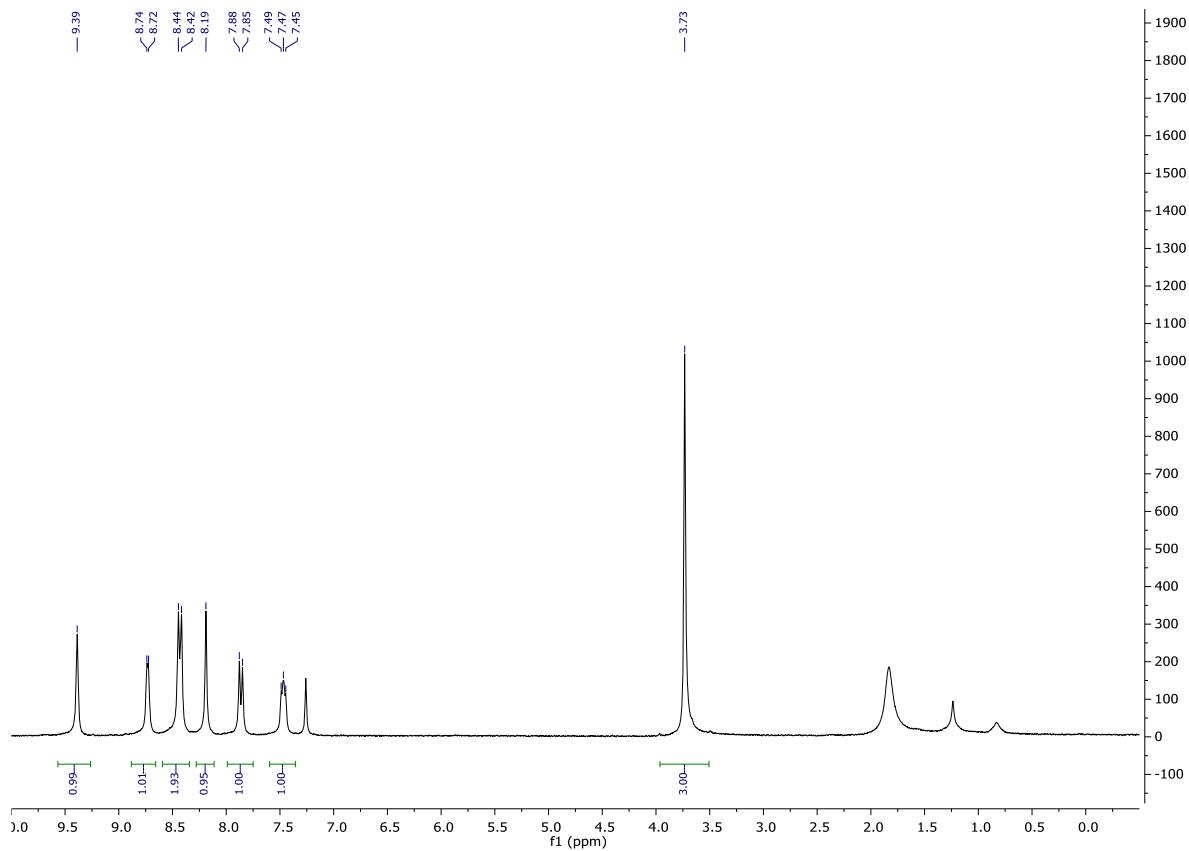
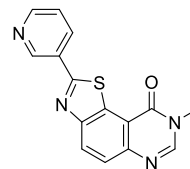
8-Cyclopentylthiazolo[5,4-f]quinazolin-9(8H)-one (**8e**)



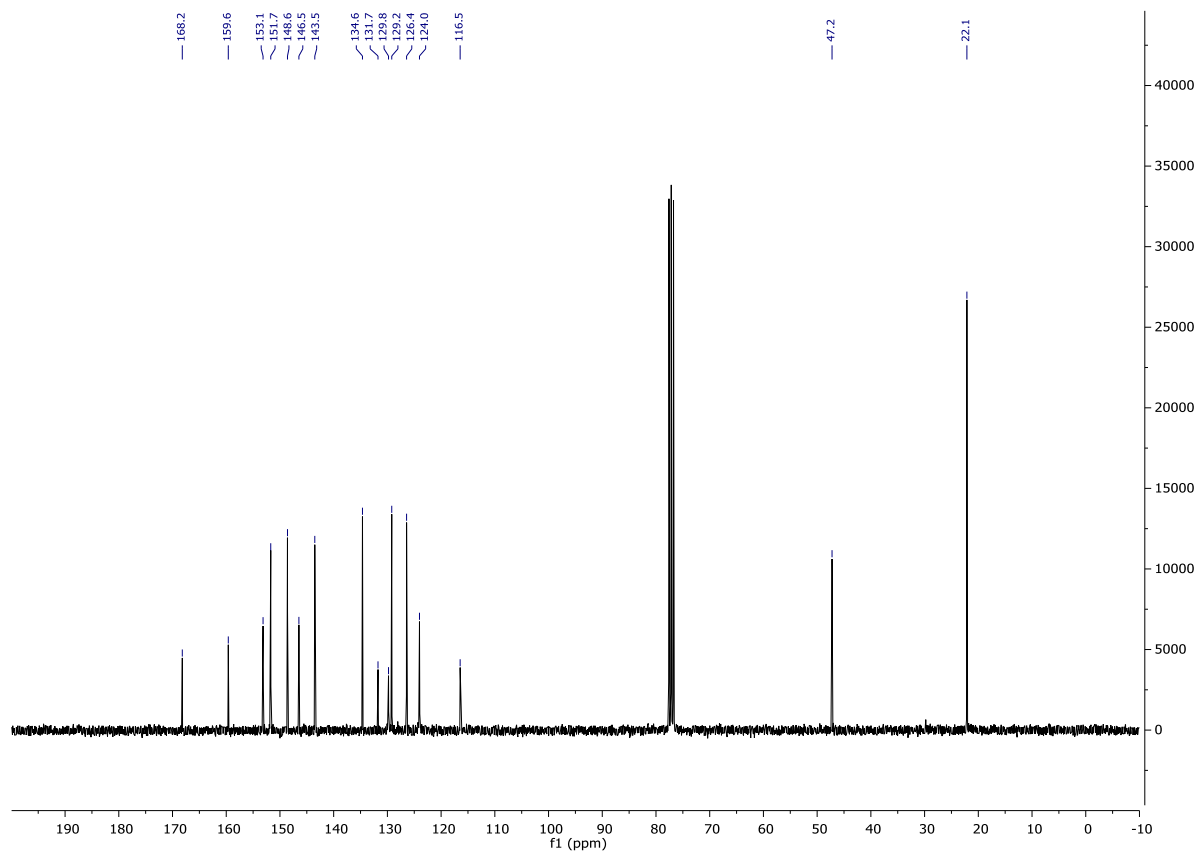
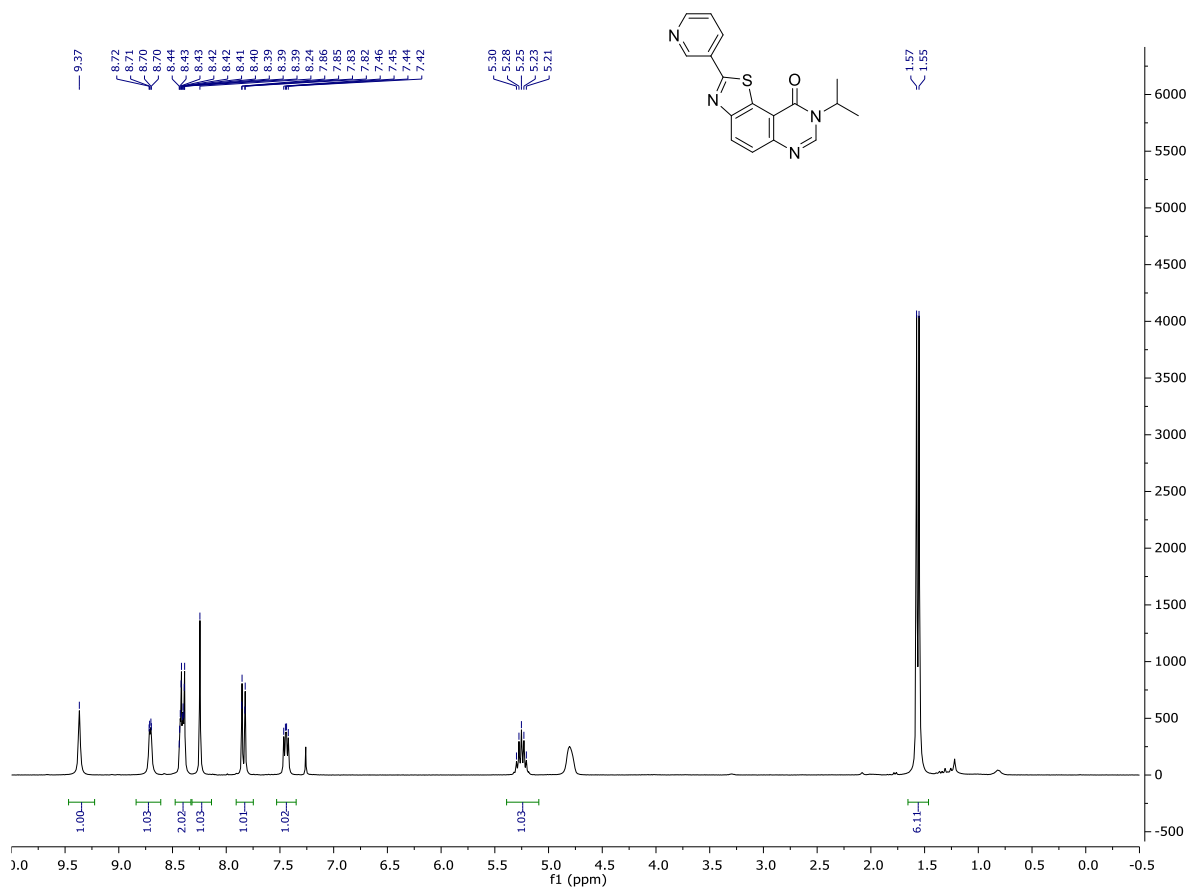
8-Cyclohexylthiazolo[5,4-*f*]quinazolin-9(8*H*)-one (**8f**)



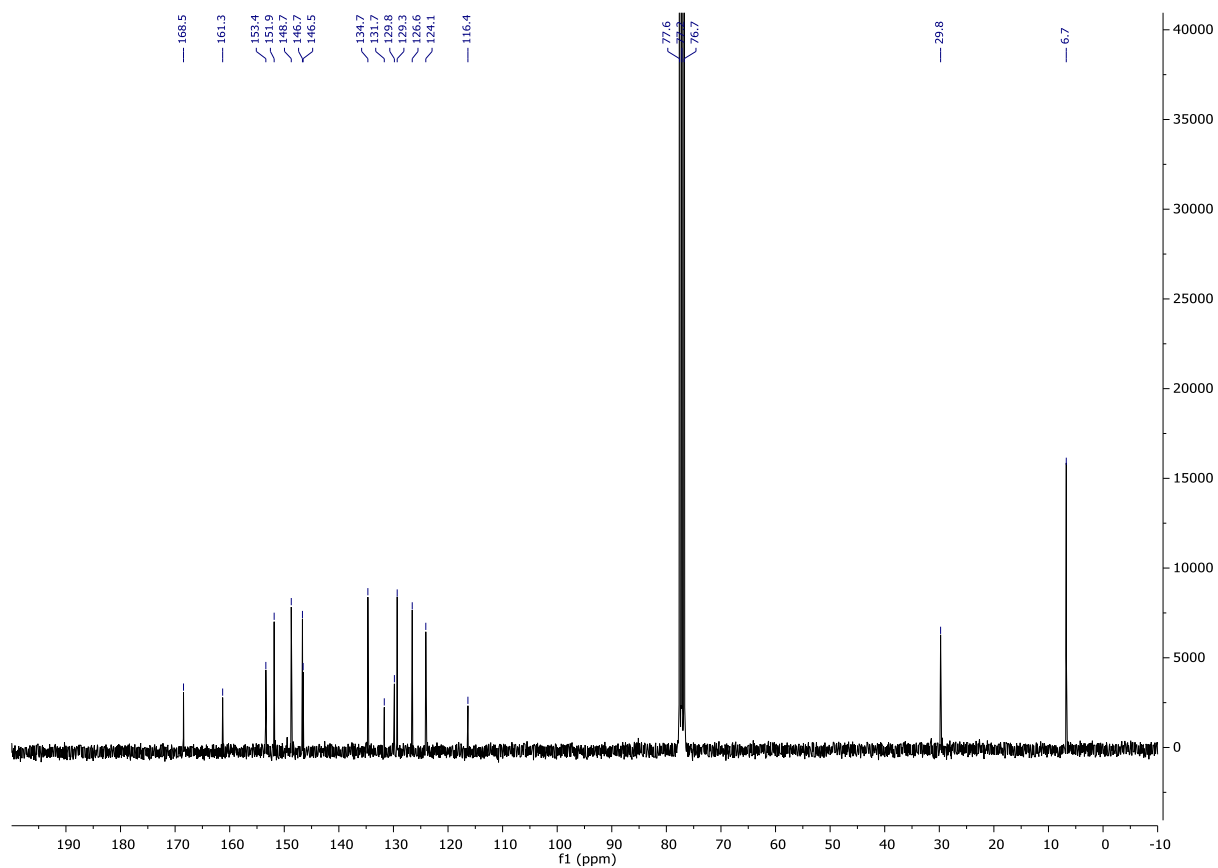
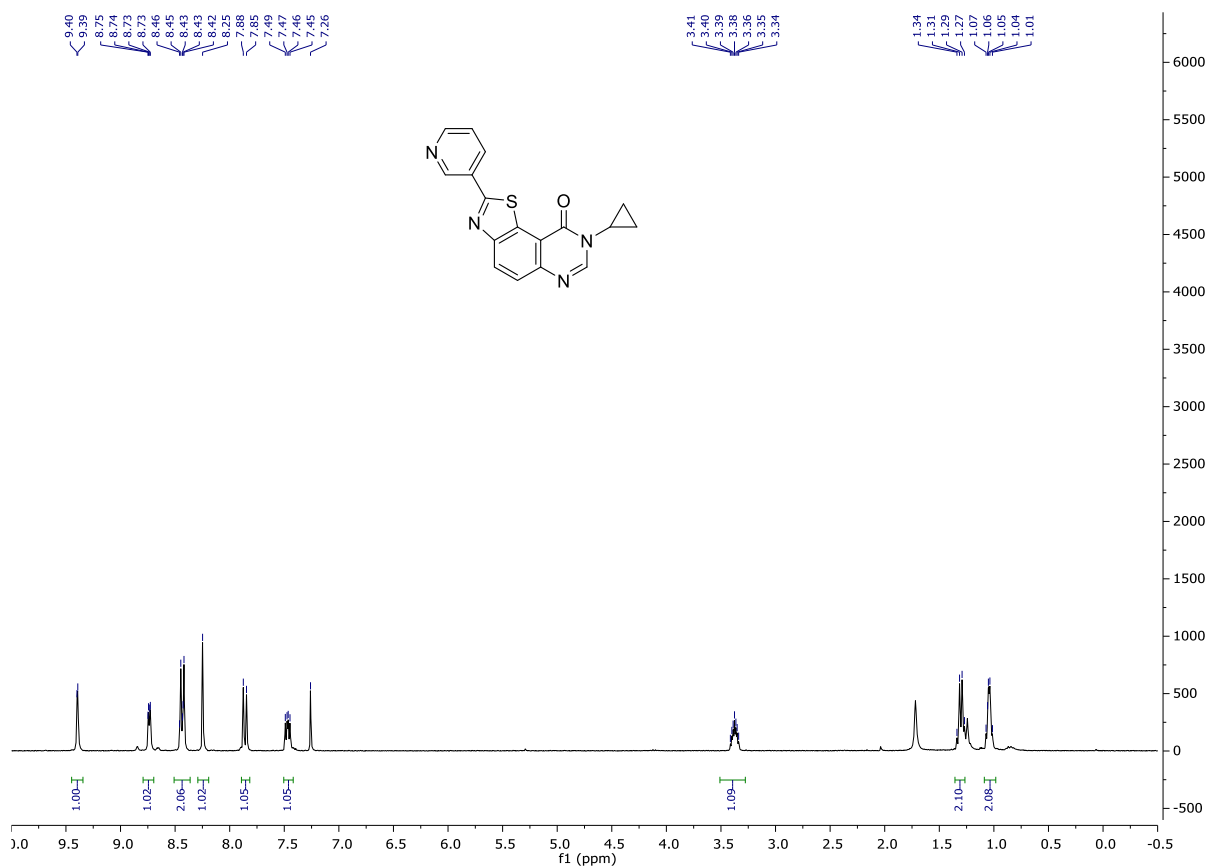
8-Methyl-2-(pyridin-3-yl)thiazolo[5,4-f]quinazolin-9(8H)-one (**4a**)



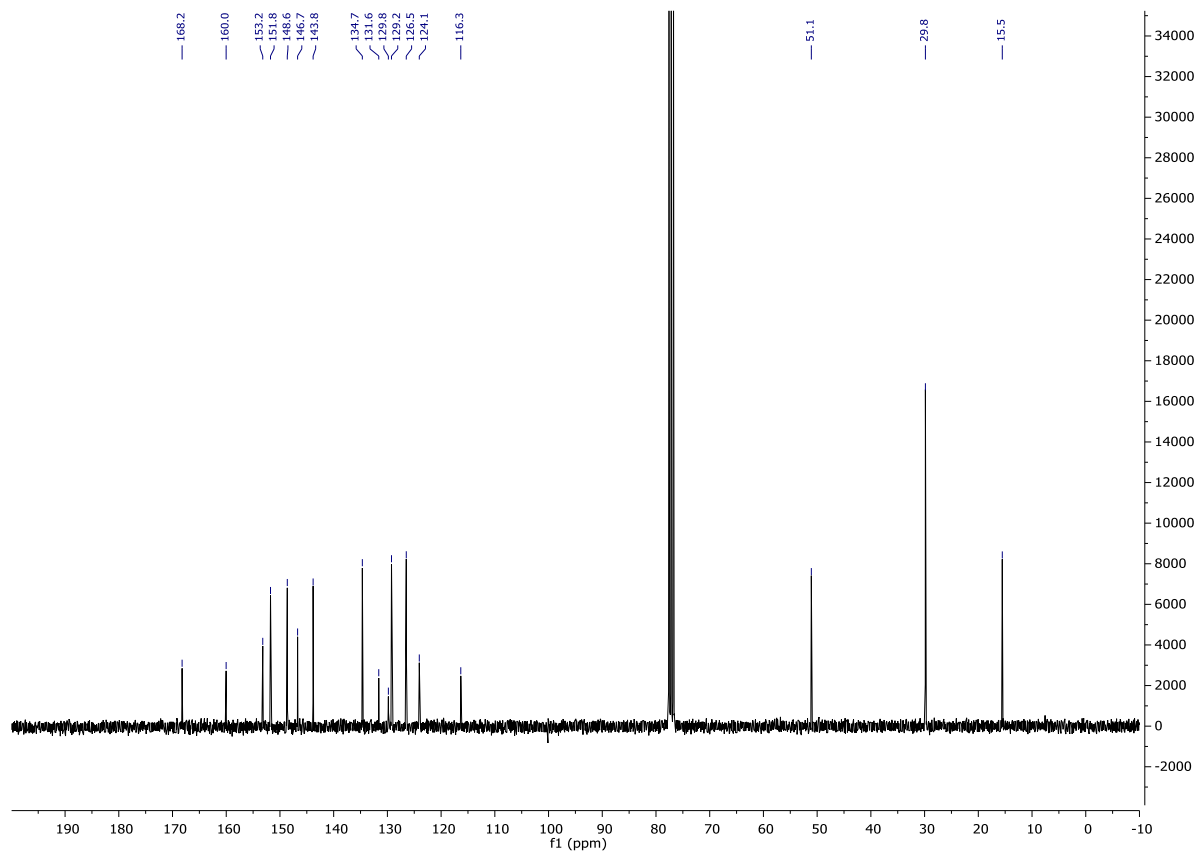
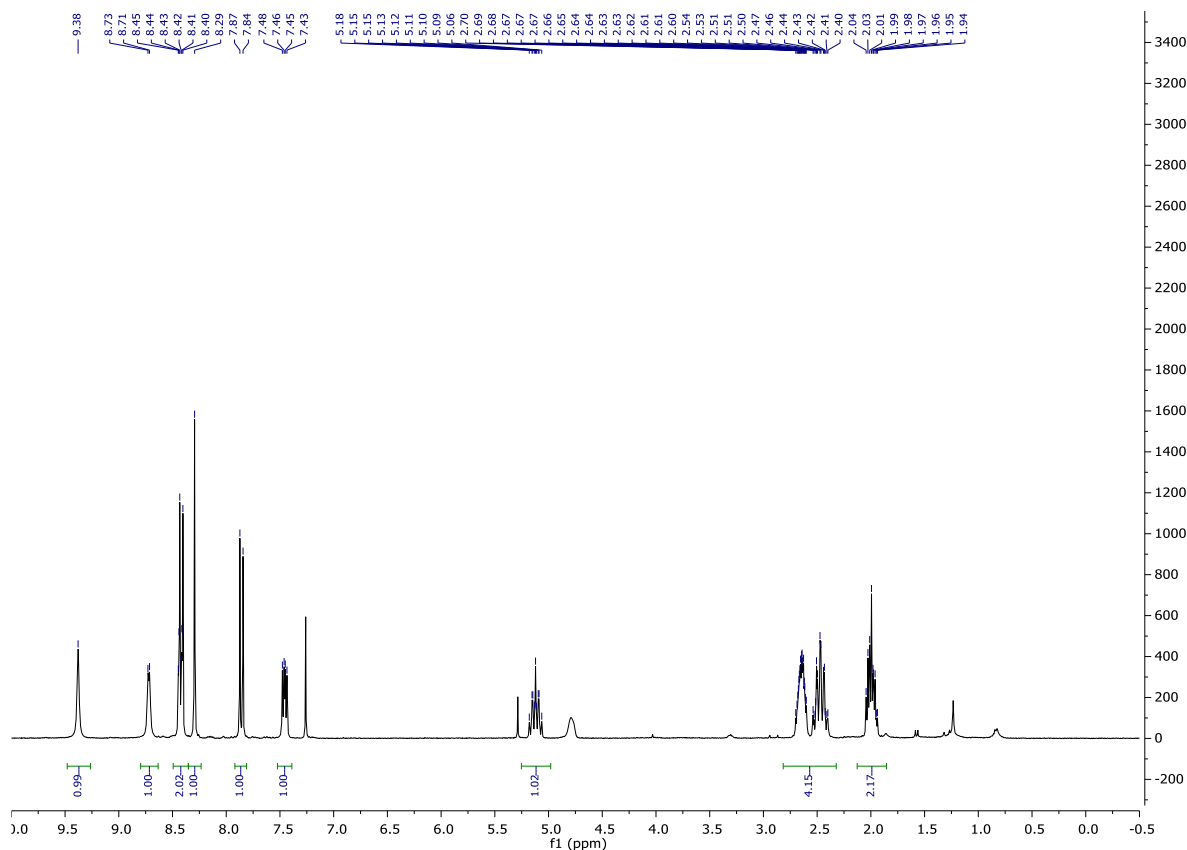
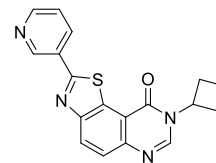
8-Isopropyl-2-(pyridin-3-yl)thiazolo[5,4-f]quinazolin-9(8H)-one (**4b**)



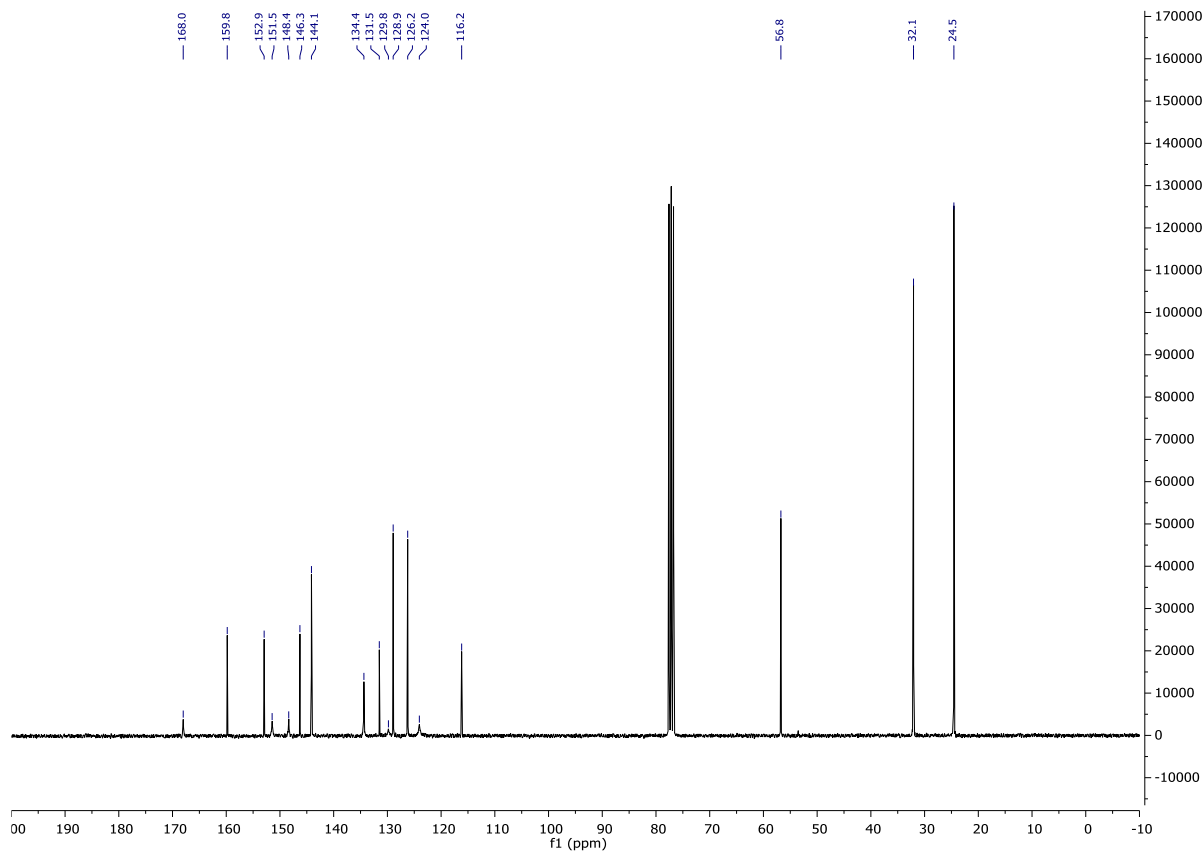
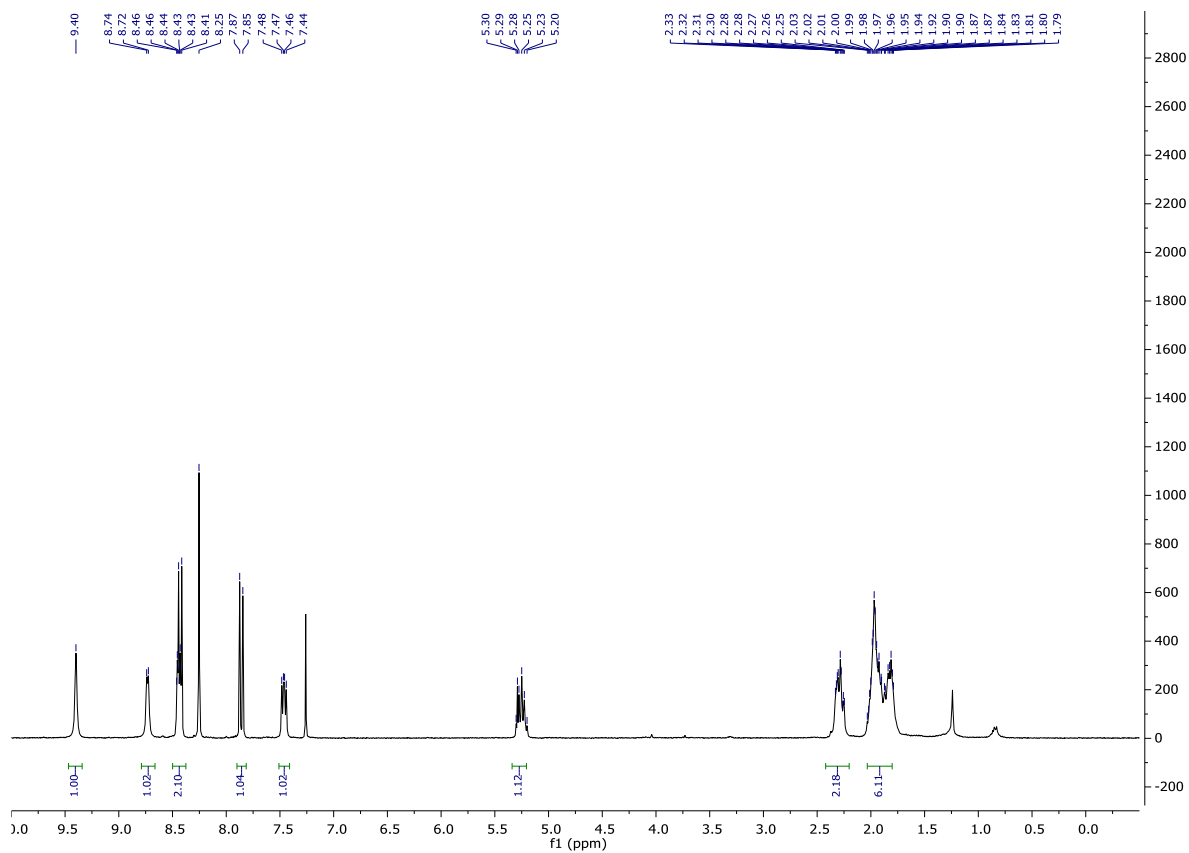
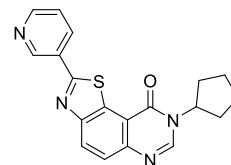
8-Cyclopropyl-2-(pyridin-3-yl)thiazolo[5,4-f]quinazolin-9(8H)-one (4c) (FC162)

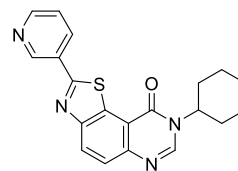


8-Cyclobutyl-2-(pyridin-3-yl)thiazolo[5,4-f]quinazolin-9(8H)-one (**4d**)



8-Cyclopentyl-2-(pyridin-3-yl)thiazolo[5,4-f]quinazolin-9(8H)-one (**4e**)





8-Cyclohexyl-2-(pyridin-3-yl)thiazolo[5,4-f]quinazolin-9(8H)-one (**4f**)

