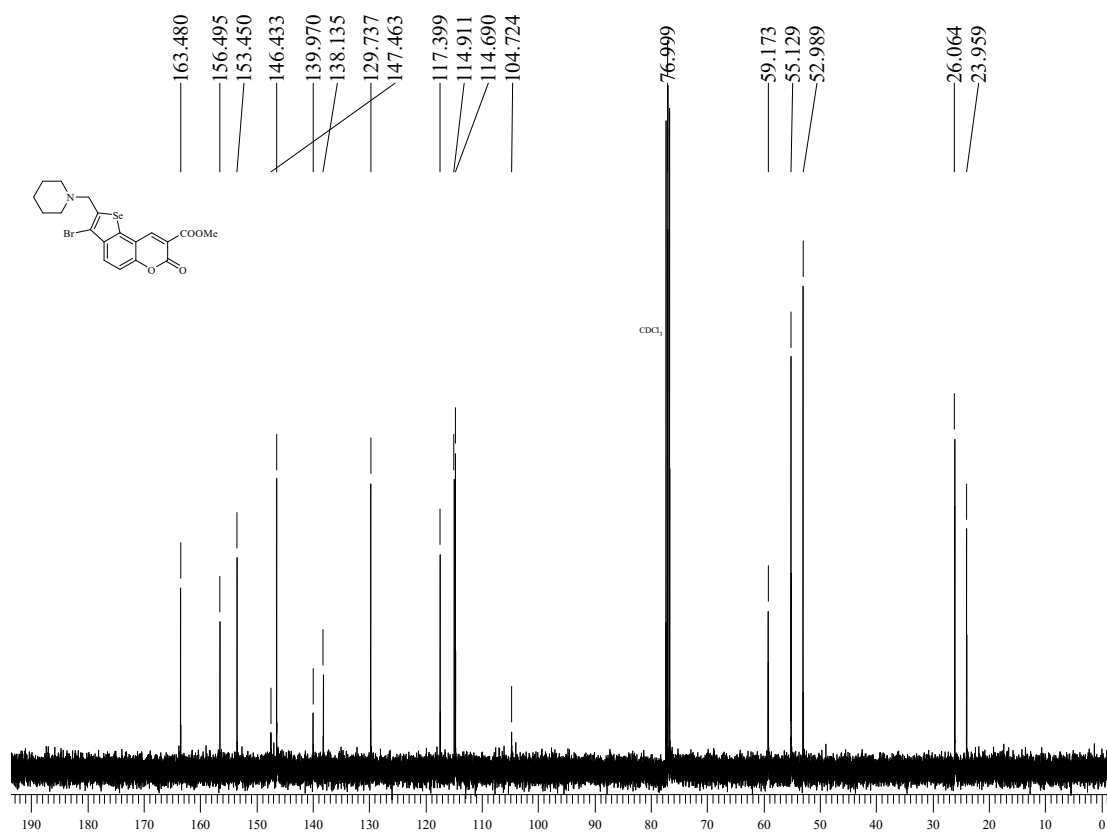
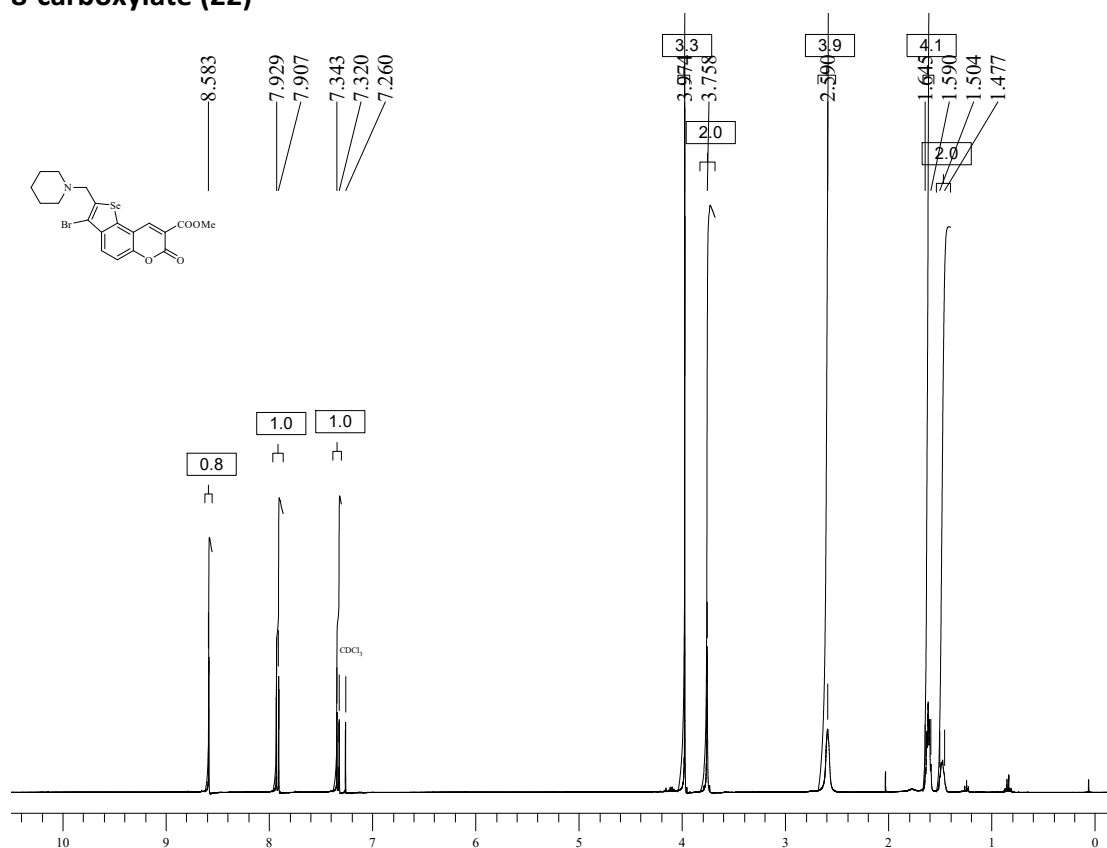


Selenopheno[2,3-*f*]coumarins: a novel scaffold with antimetastatic activity against melanoma and breast cancer

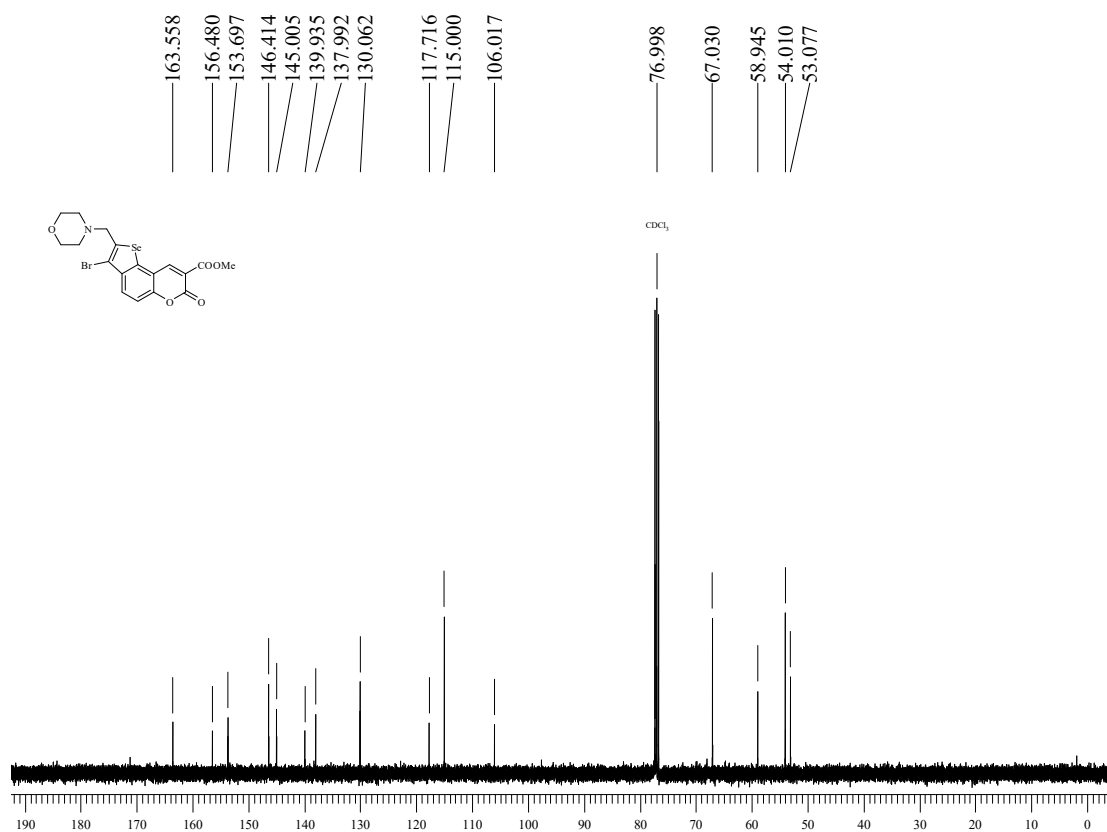
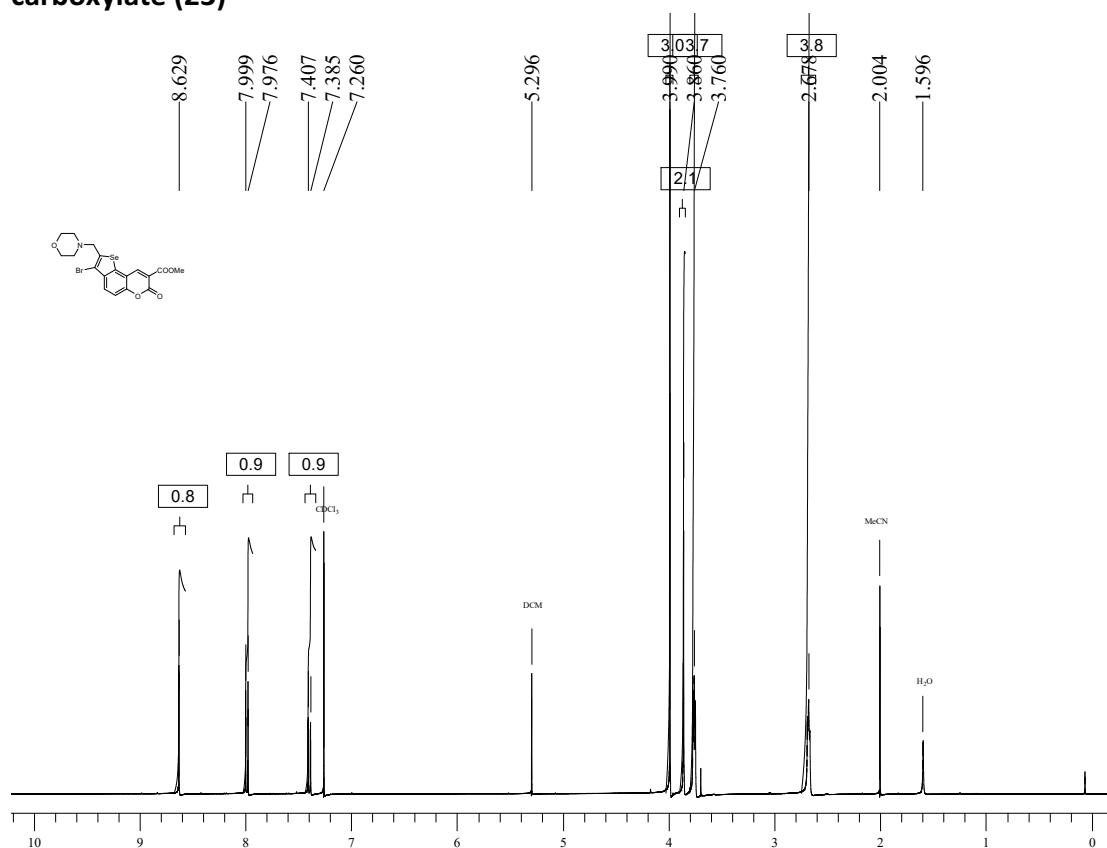
Pavel Arsenyan^{*}, Jelena Vasiljeva, Ilona Domracheva, Iveta Kanepe-Lapsa, Anita Gulbe

Latvian Institute of Organic Synthesis, Aizkraukles 21, LV-1006, Riga, Latvia
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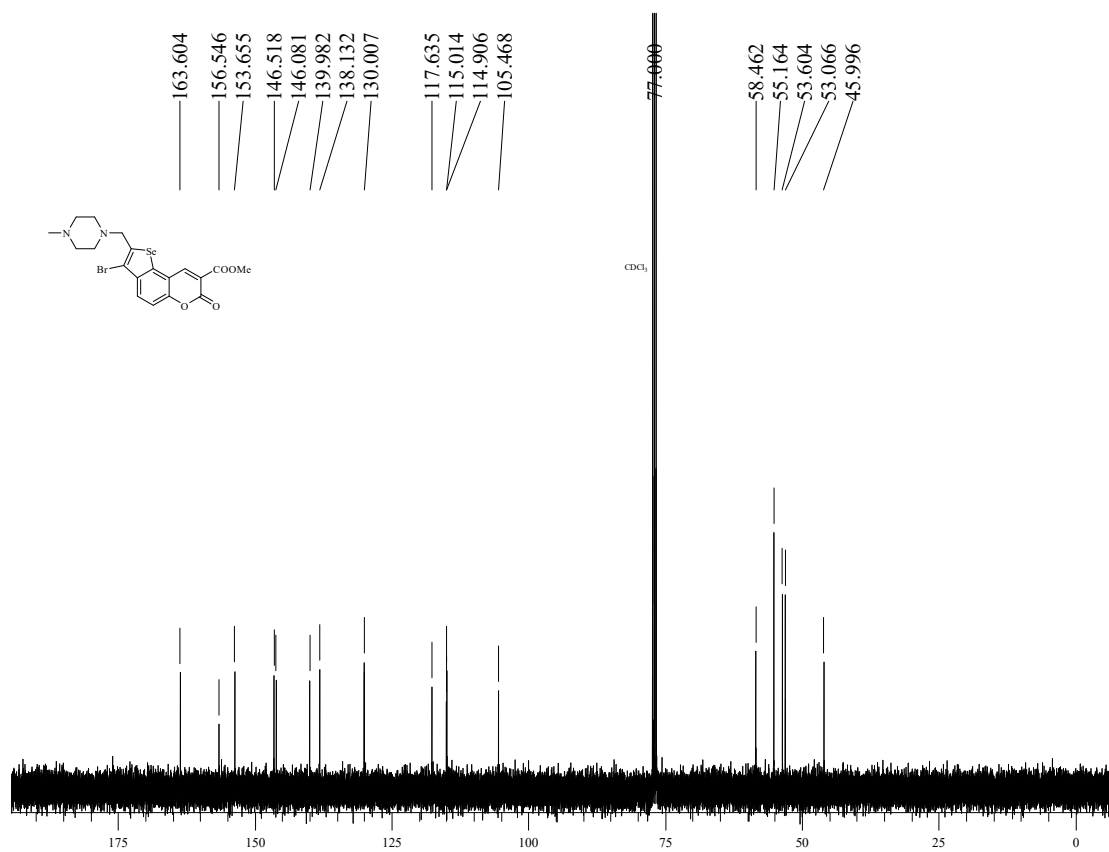
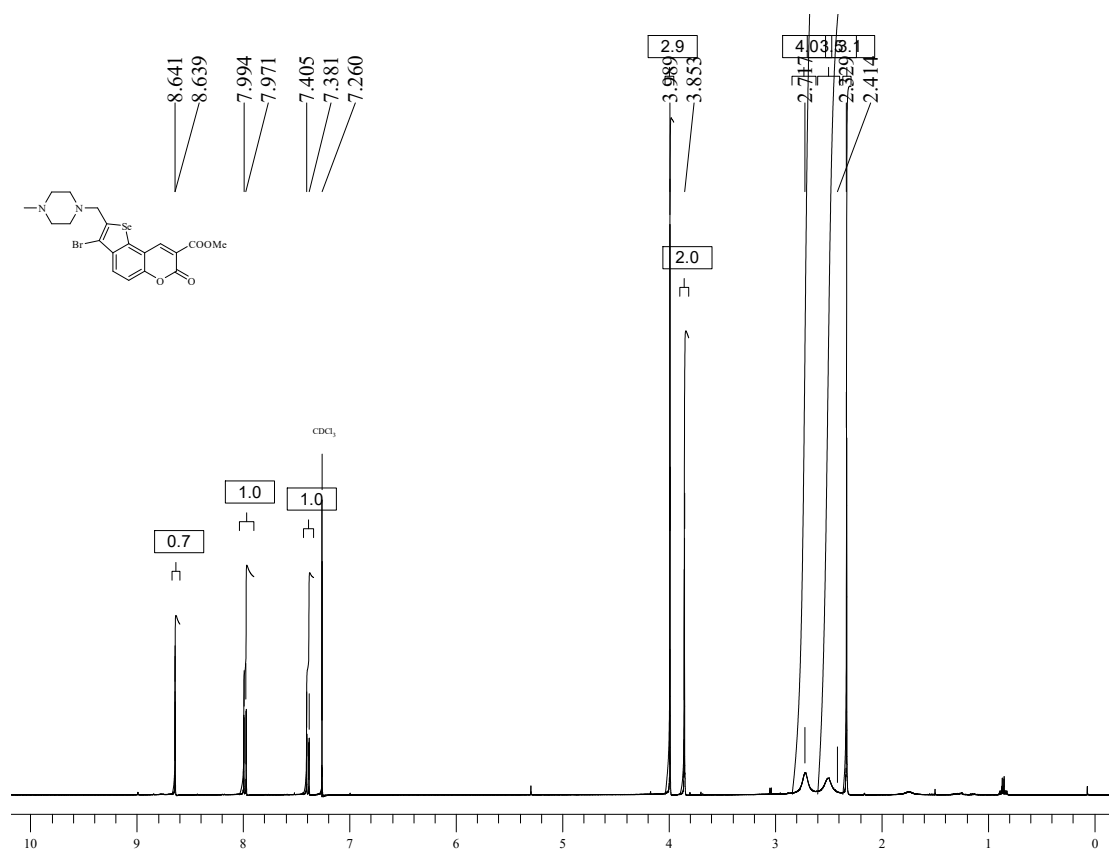
Methyl 3-bromo-7-oxo-2-(piperidin-1-ylmethyl)-7H-selenopheno[2,3-f]chromene-8-carboxylate (22)



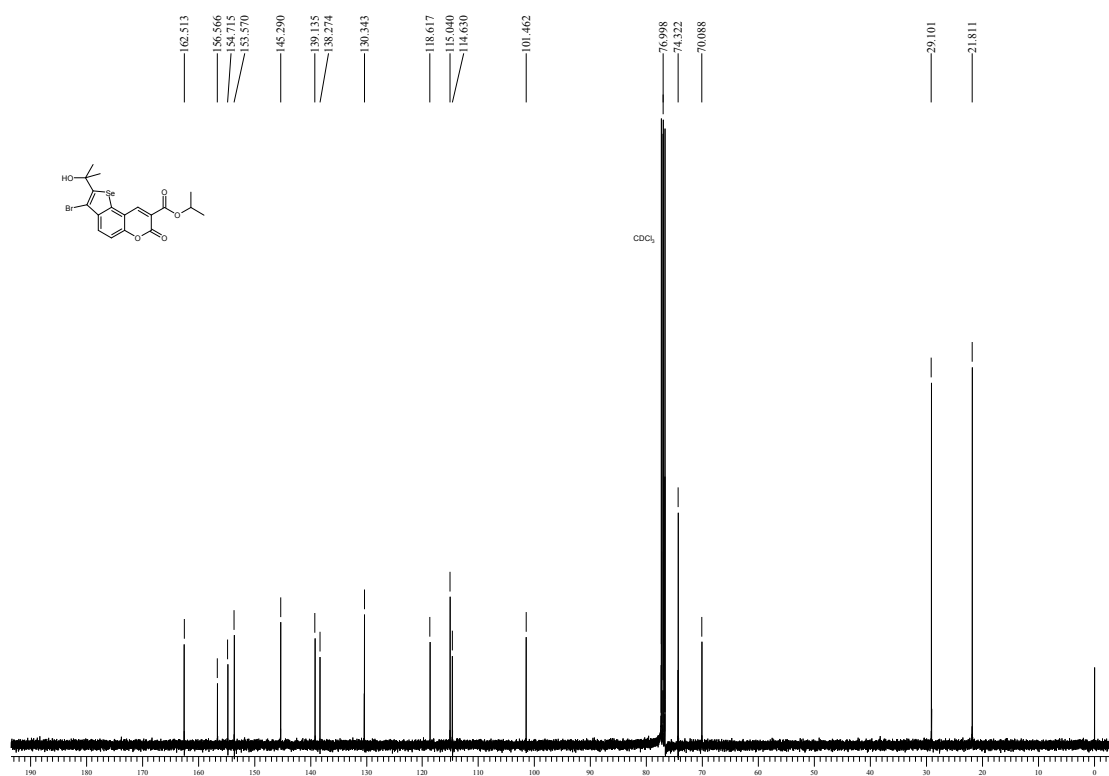
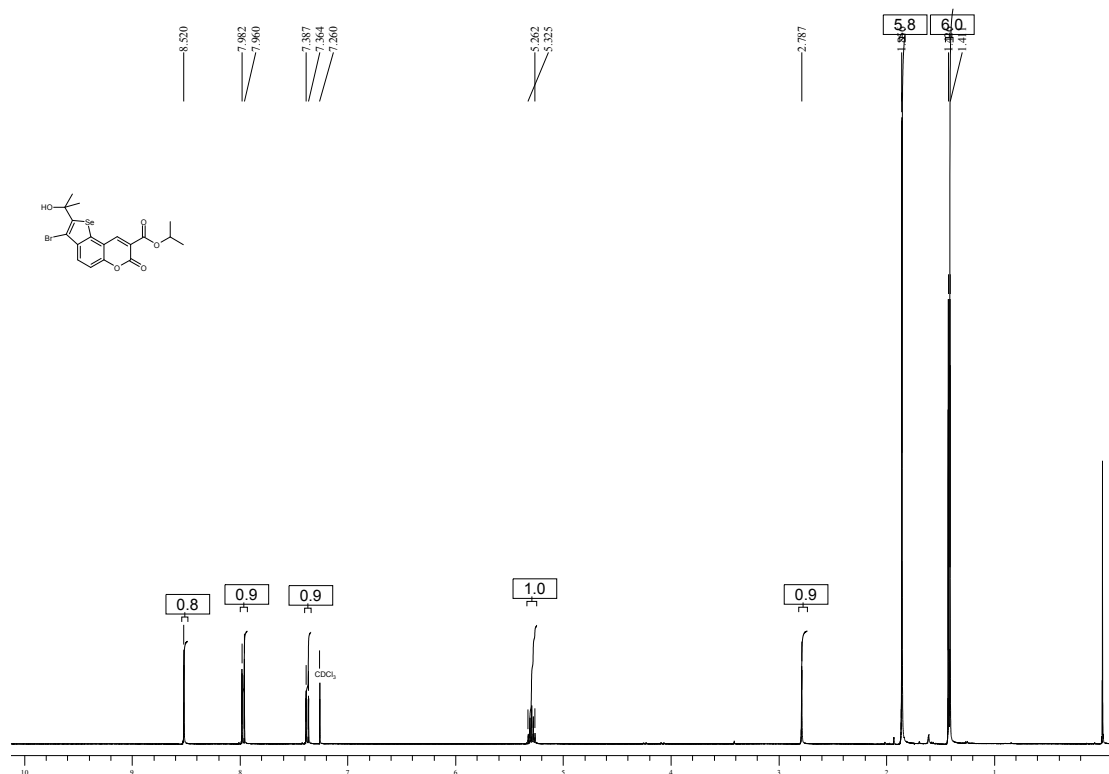
Methyl 3-bromo-2-(morpholinomethyl)-7-oxo-7H-selenopheno[2,3-f]chromene-8-carboxylate (23)



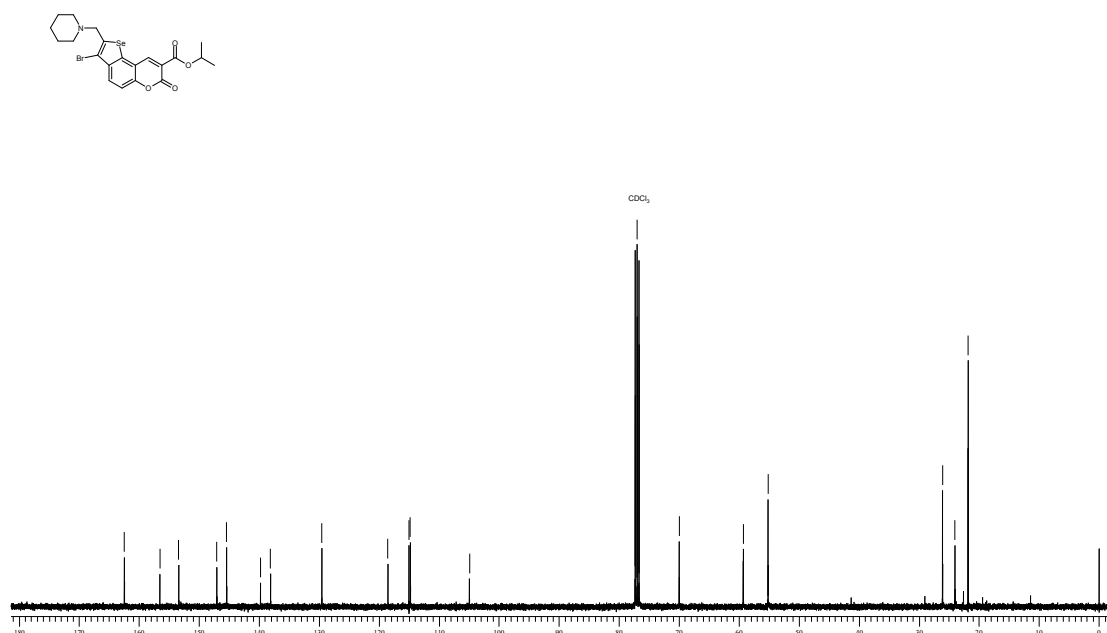
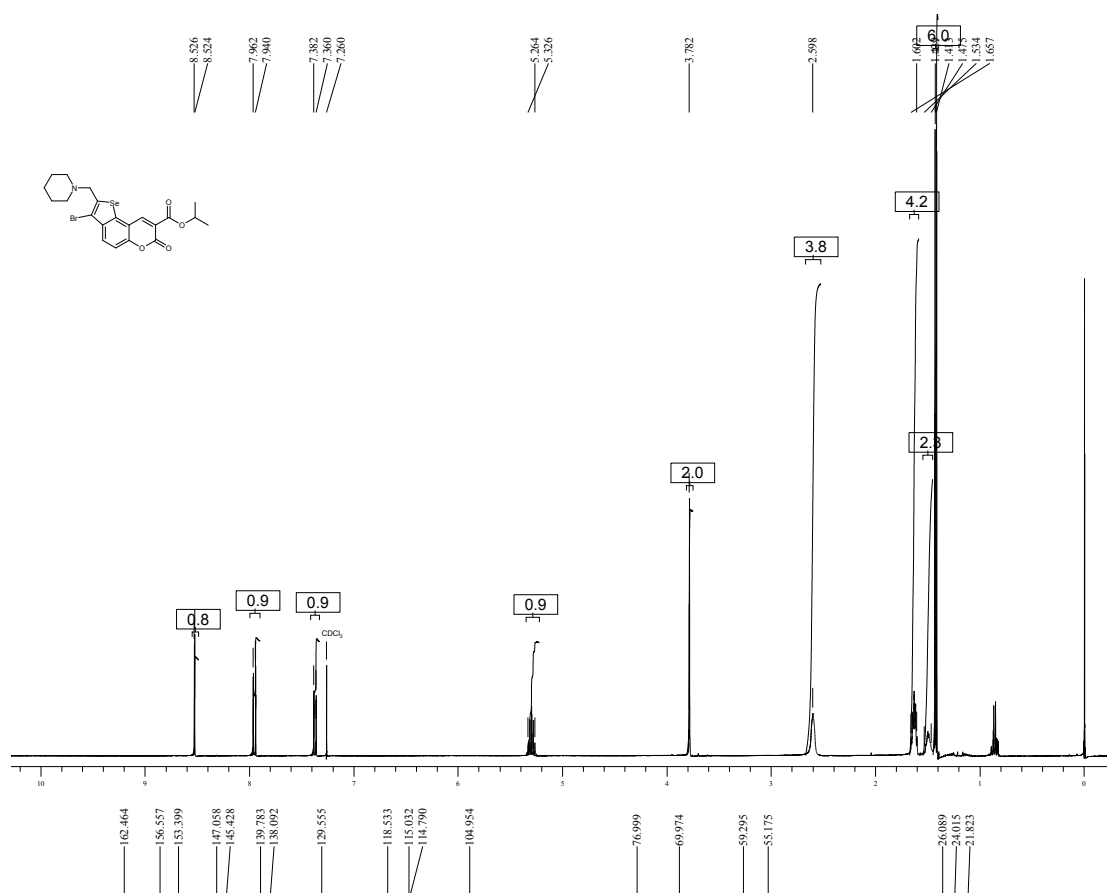
Methyl 3-bromo-2-((4-methylpiperazin-1-yl)methyl)-7-oxo-7H-selenopheno[2,3-f]chromene-8-carboxylate (24)



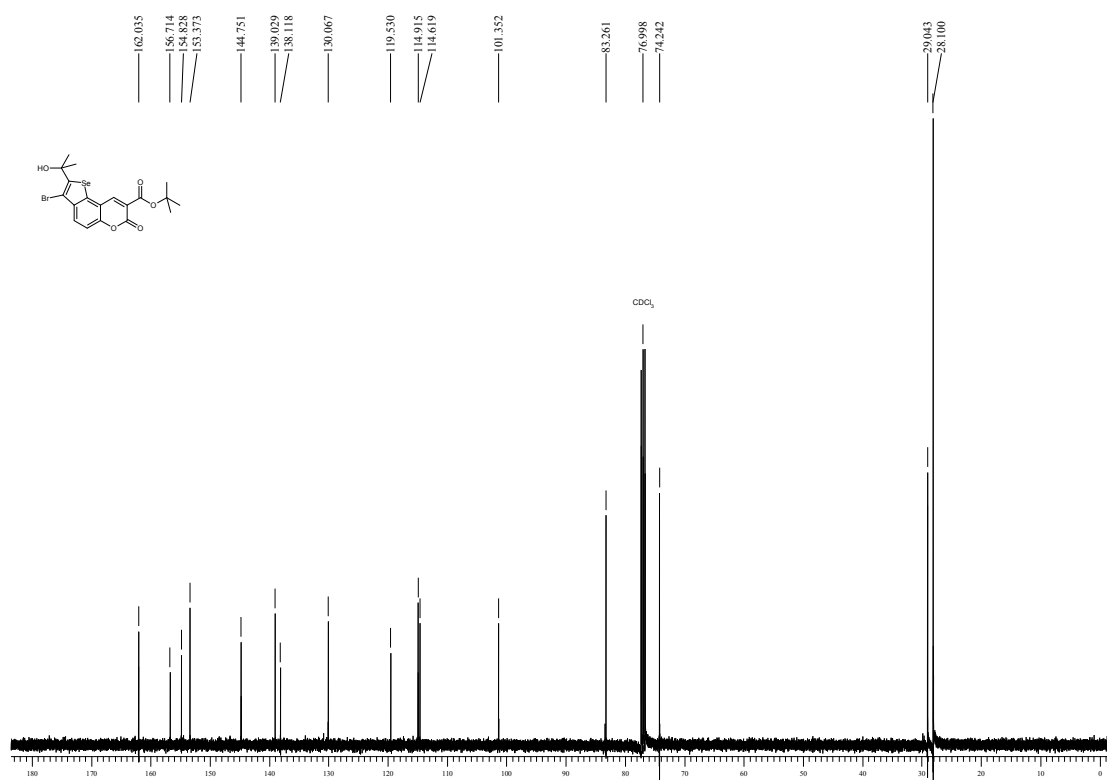
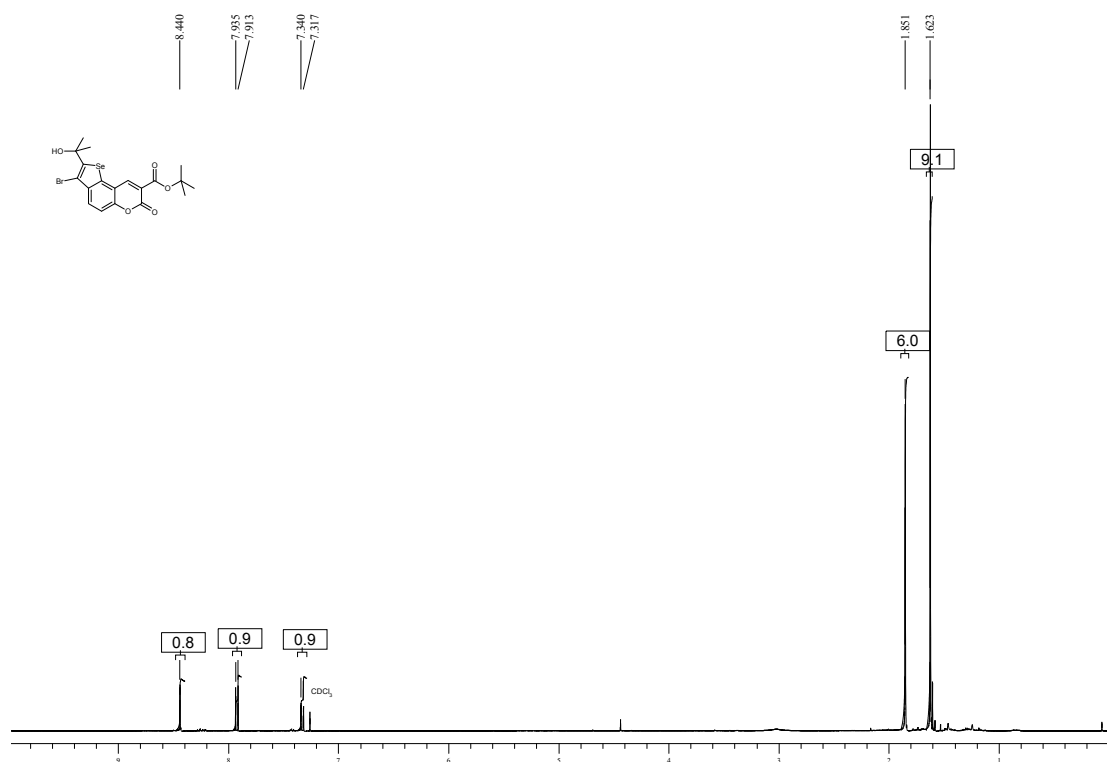
Isopropyl 3-bromo-2-(2-hydroxypropan-2-yl)-7-oxo-7H-selenopheno[2,3-f]chromene-8-carboxylate (25)



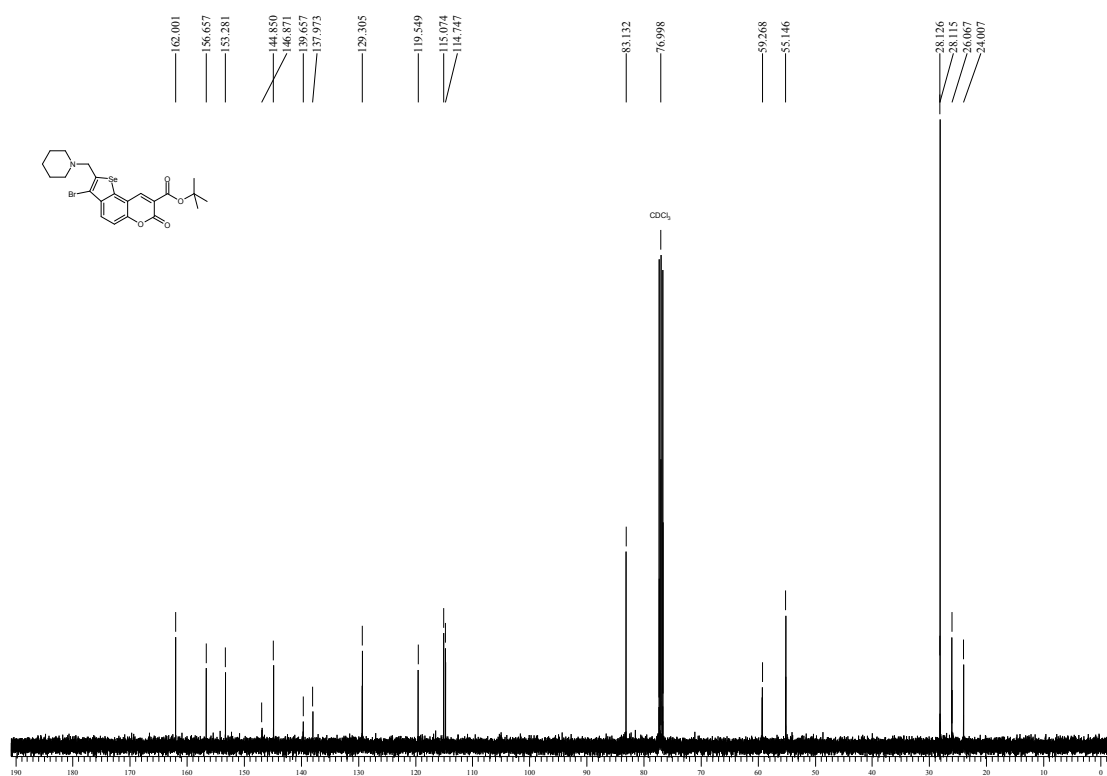
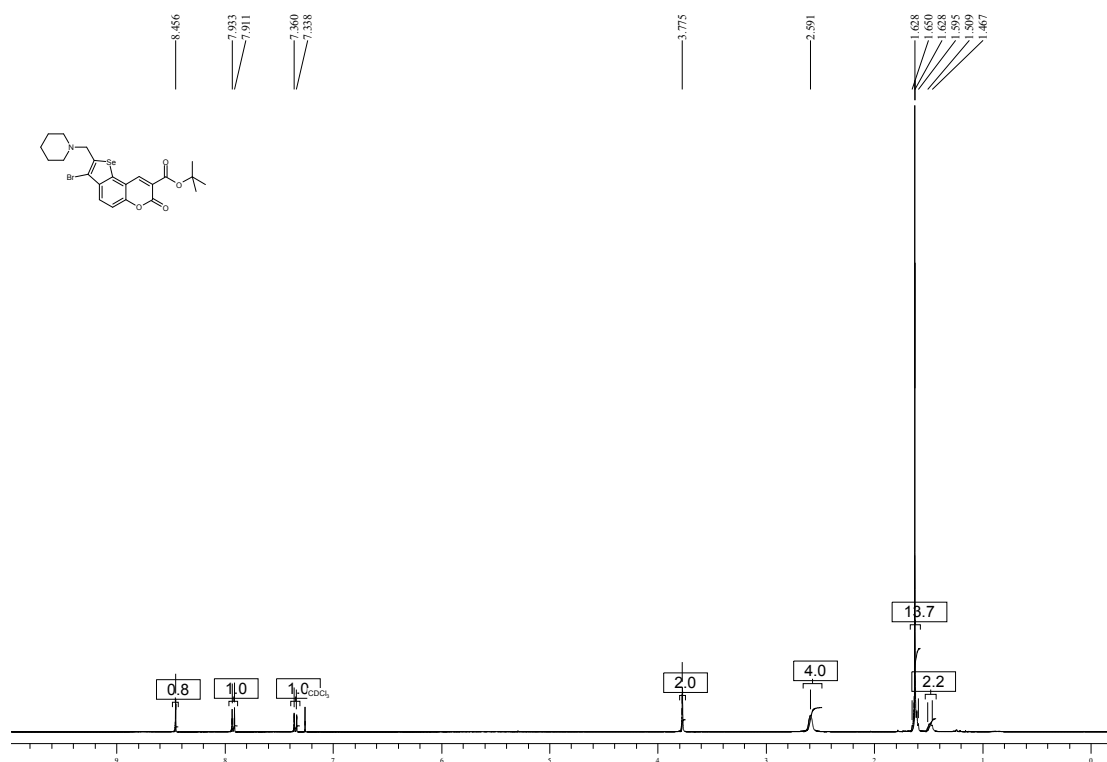
Isopropyl 3-bromo-7-oxo-2-(piperidin-1-ylmethyl)-7H-selenopheno[2,3-f]chromene-8-carboxylate (26)



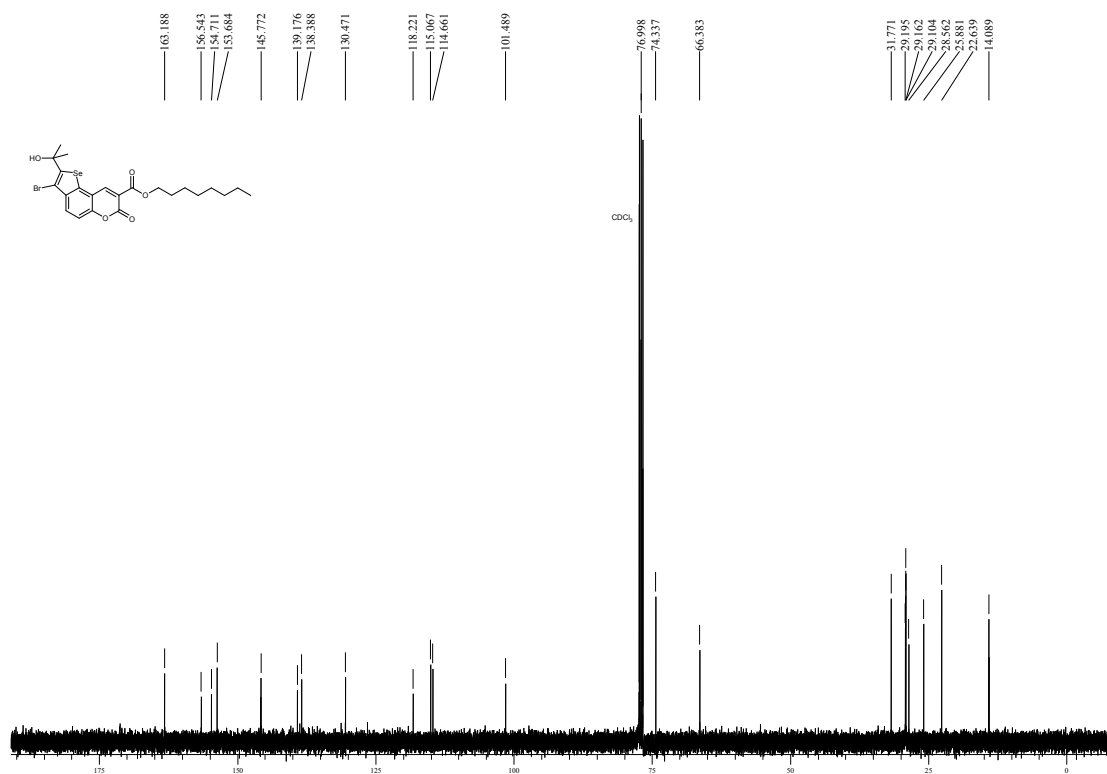
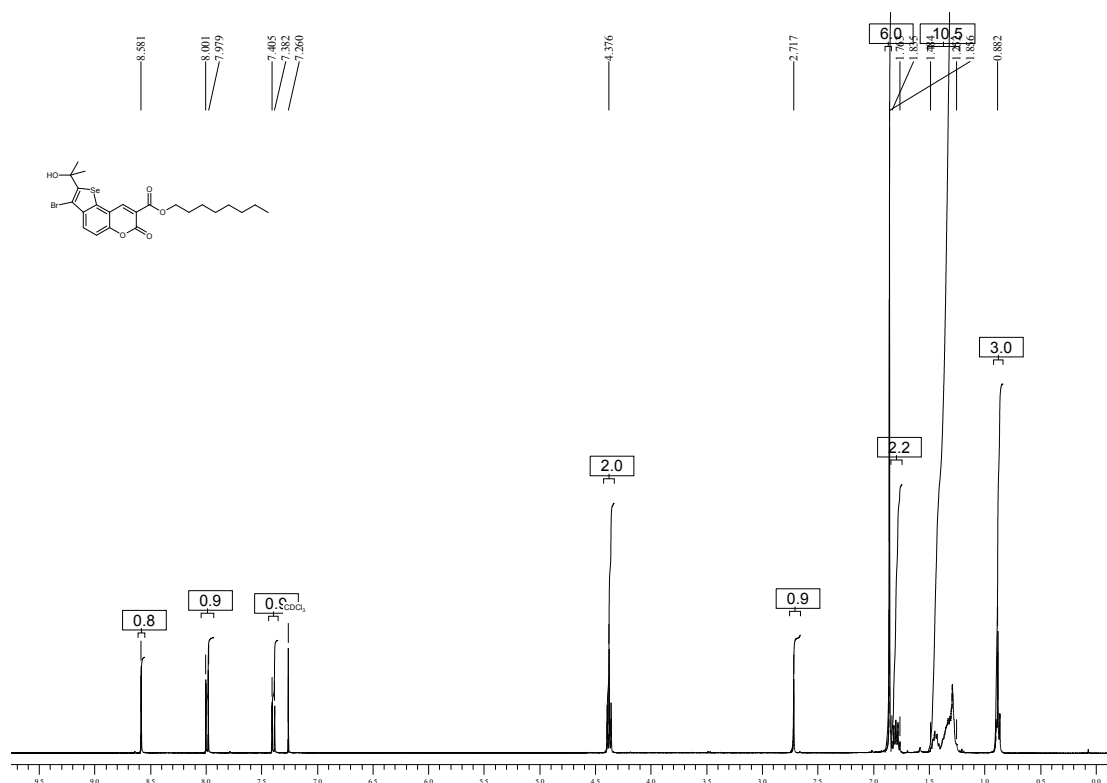
Tert-butyl 3-bromo-2-(2-hydroxypropan-2-yl)-7-oxo-7H-selenopheno[2,3-f]chromene-8-carboxylate (27)



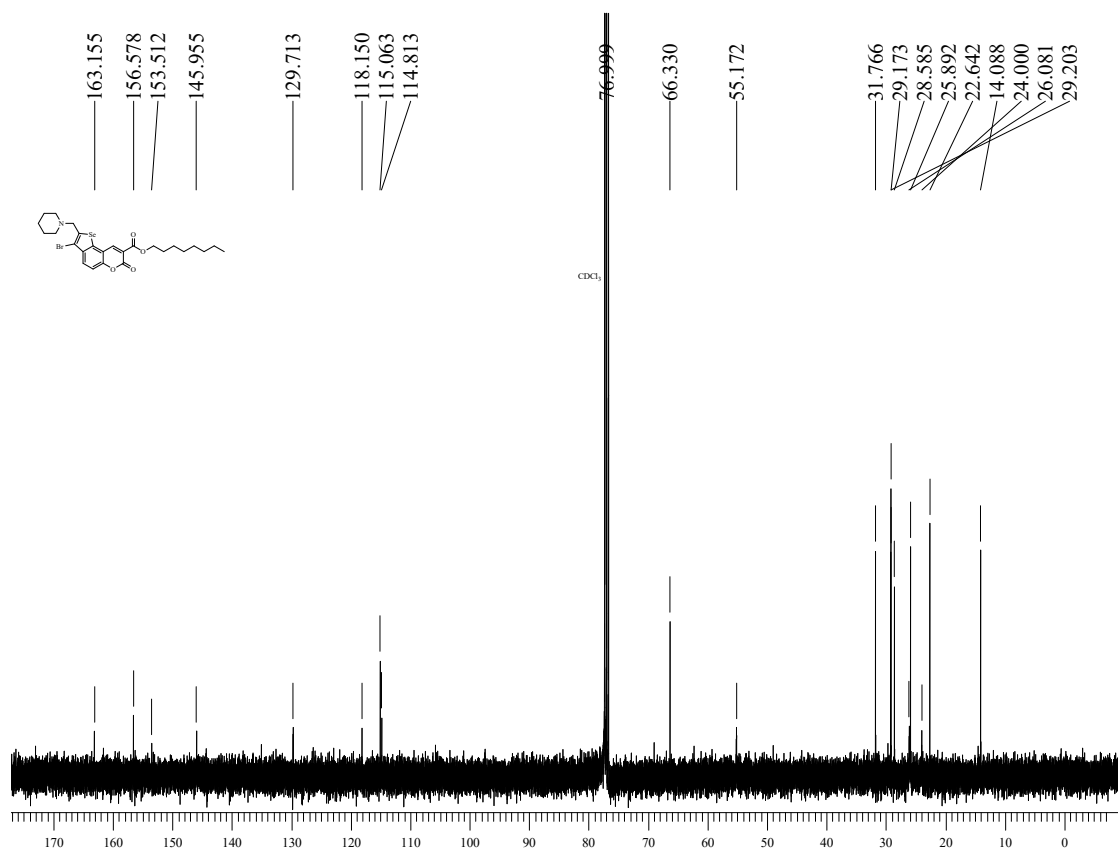
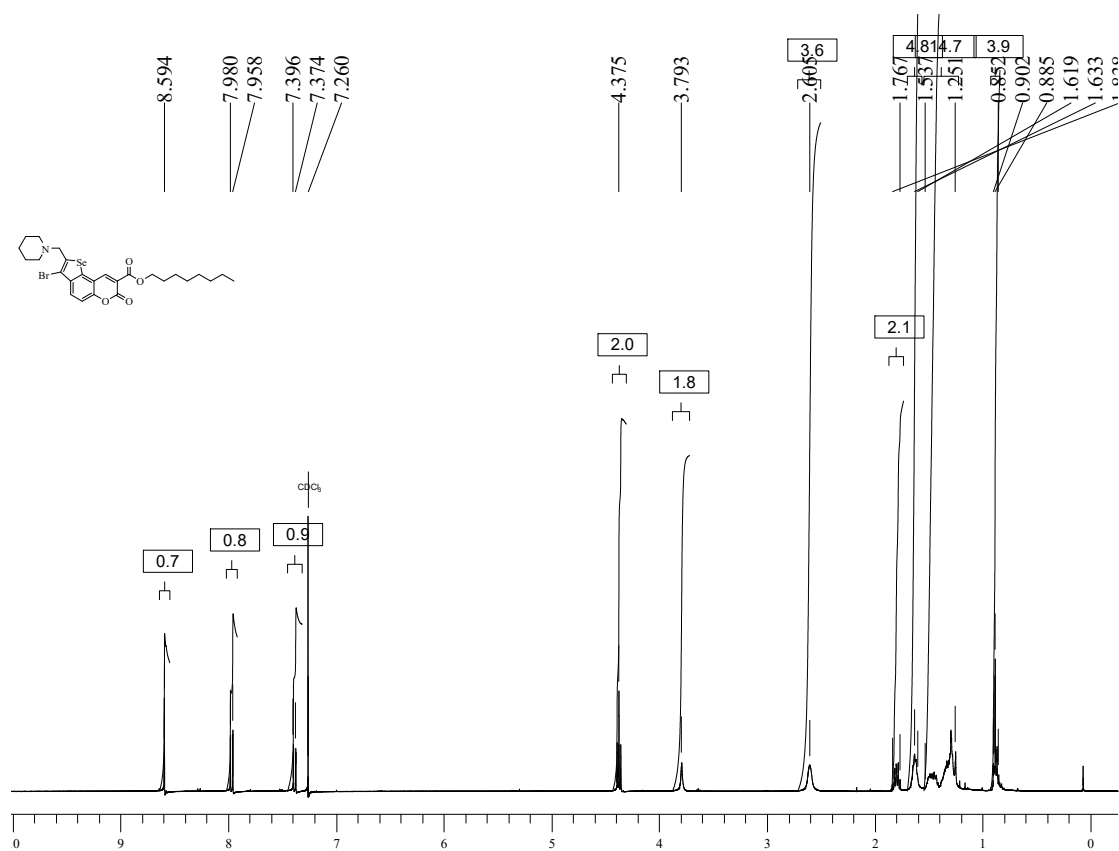
Tert-butyl 3-bromo-7-oxo-2-piperidin-1-ylmethyl)-7H-selenopheno[2,3-f]chromene-8-carboxylate (28)



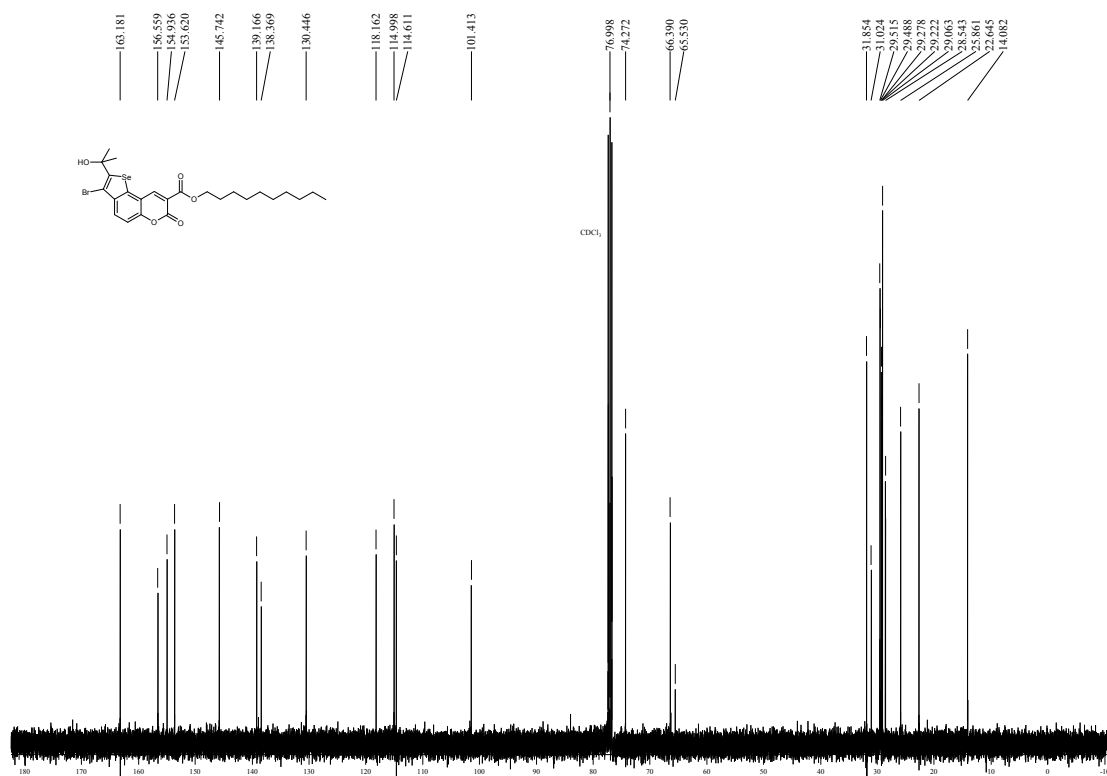
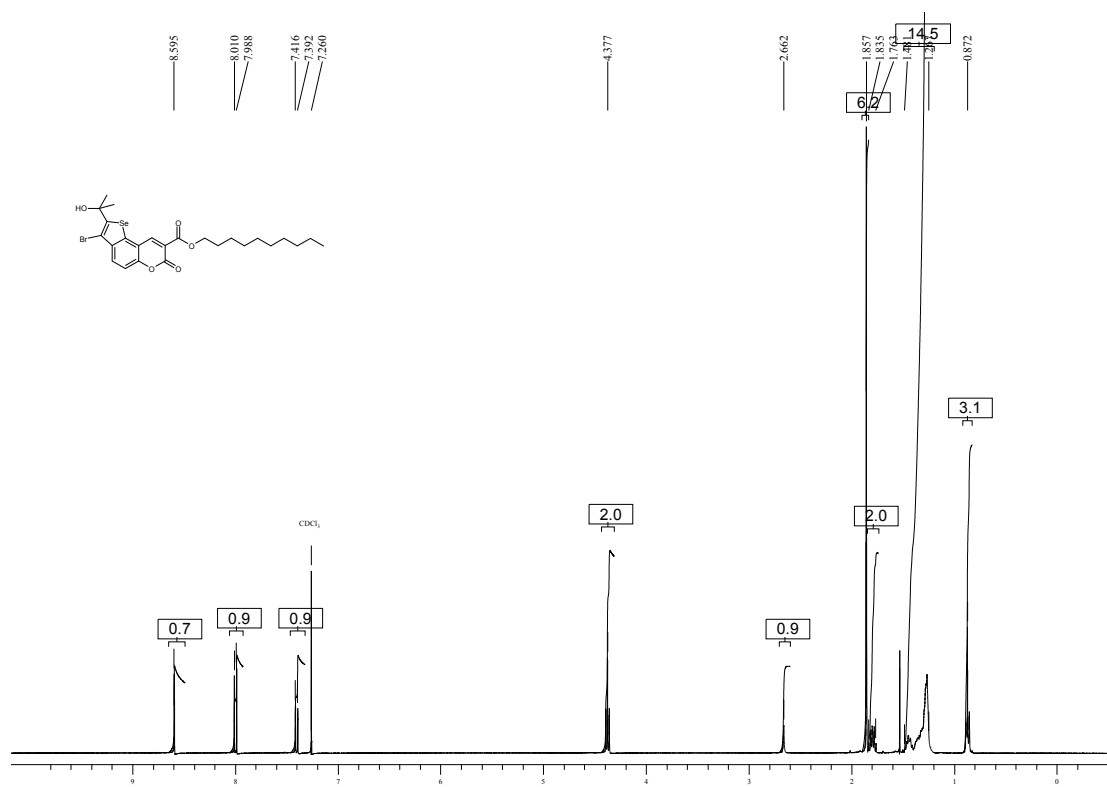
Octyl 3-bromo-2-(2-hydroxypropan-2-yl)-7-oxo-7H-selenopheno[2,3-f]chromene-8-carboxylate (29)



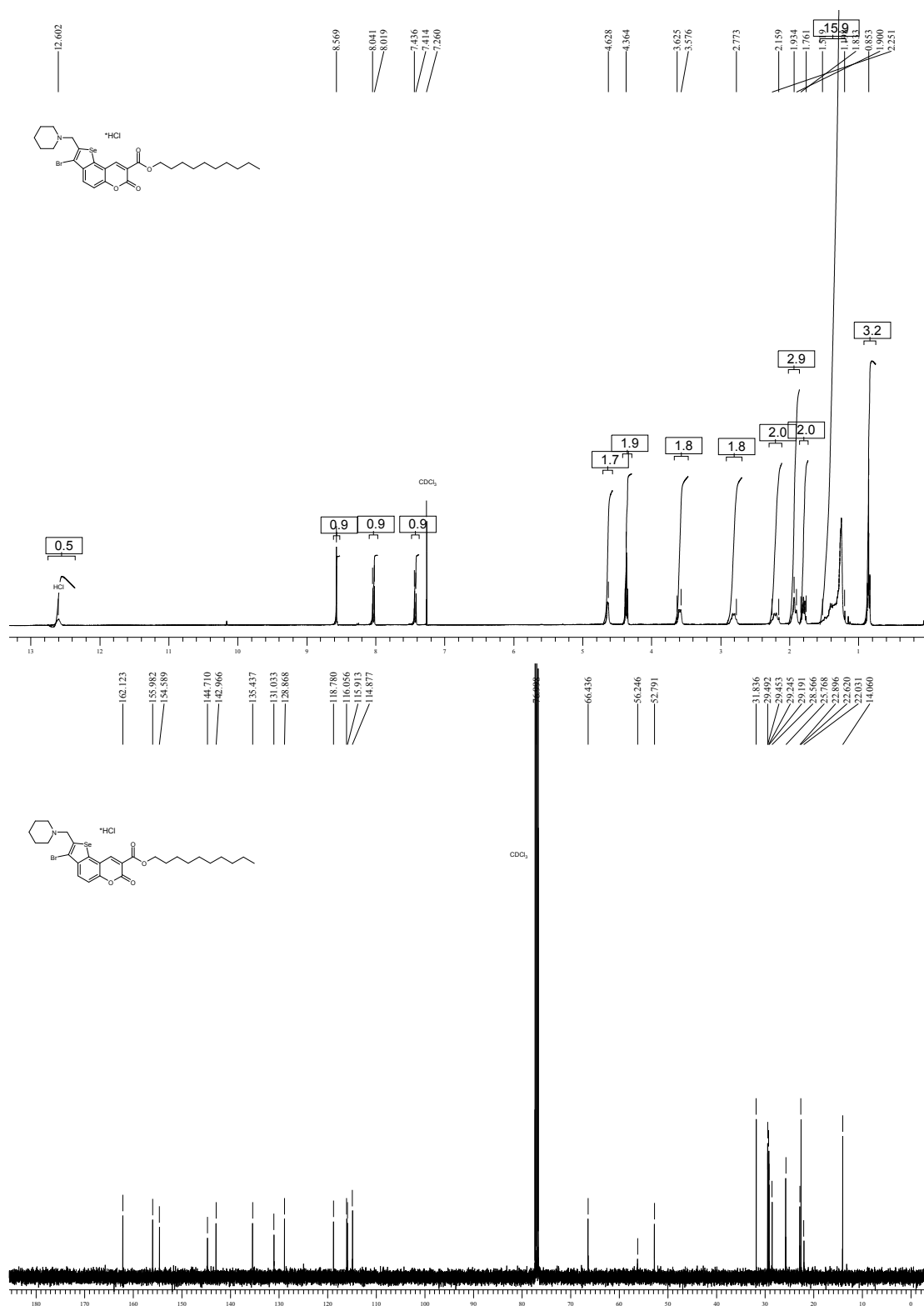
Octyl 3-bromo-7-oxo-2-piperidin-1-ylmethyl)-7*H*-selenopheno[2,3-*f*]chromene-8-carboxylate (30)



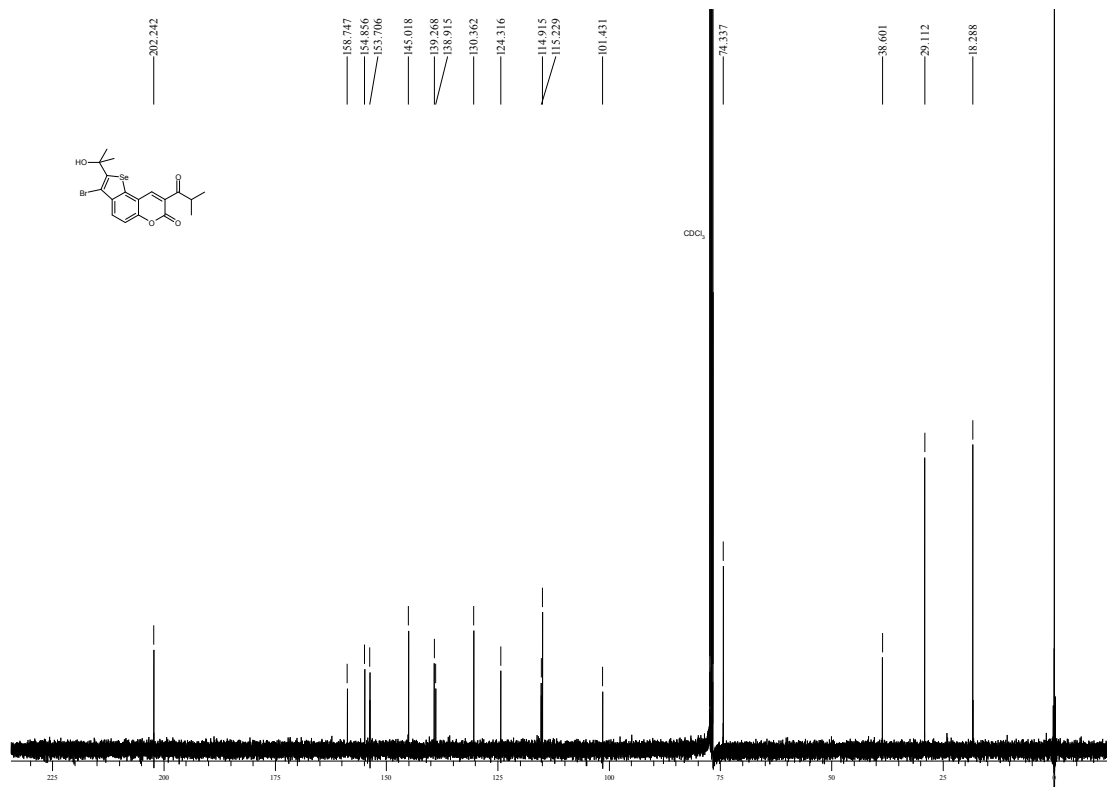
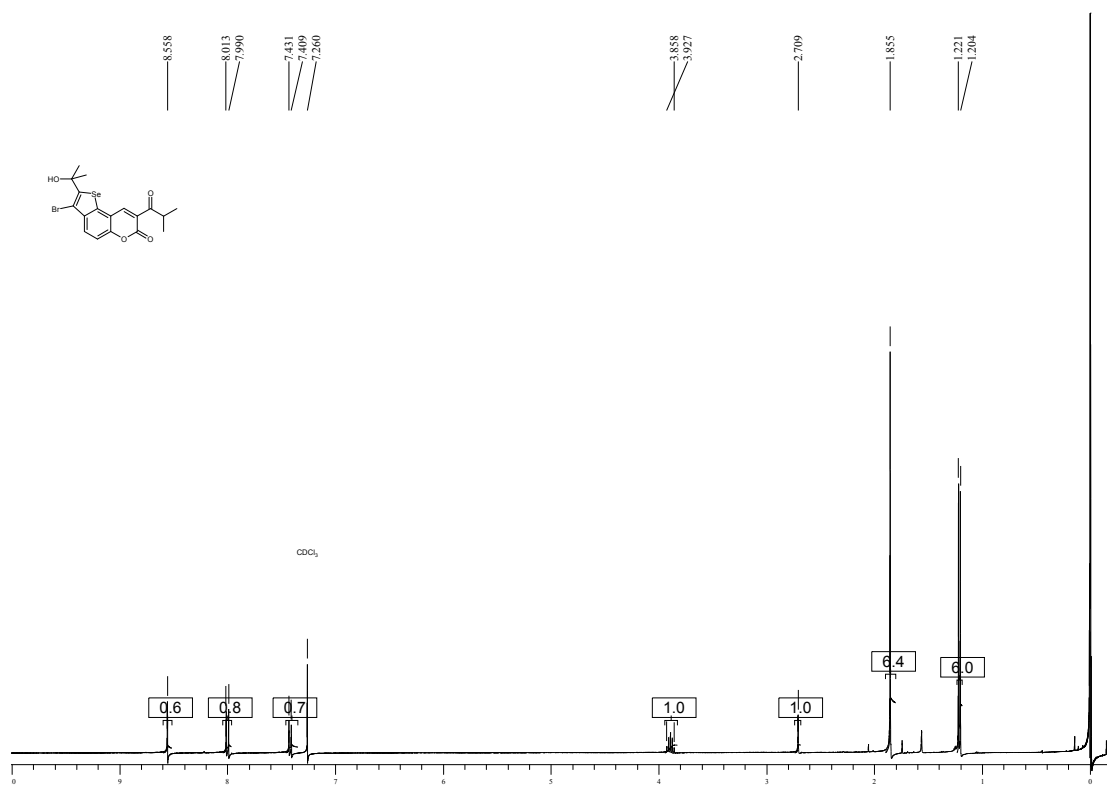
Decyl 3-bromo-2-(2-hydroxypropan-2-yl)-7-oxo-7H-selenopheno[2,3-f]chromene-8-carboxylate (31)



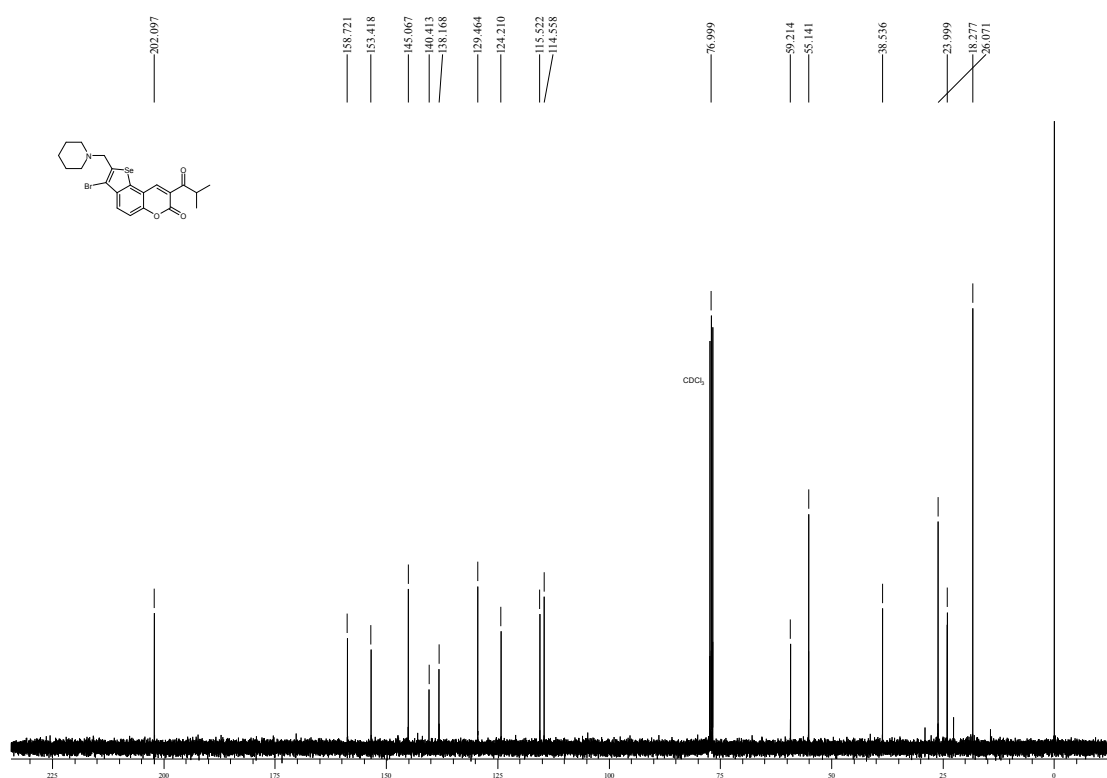
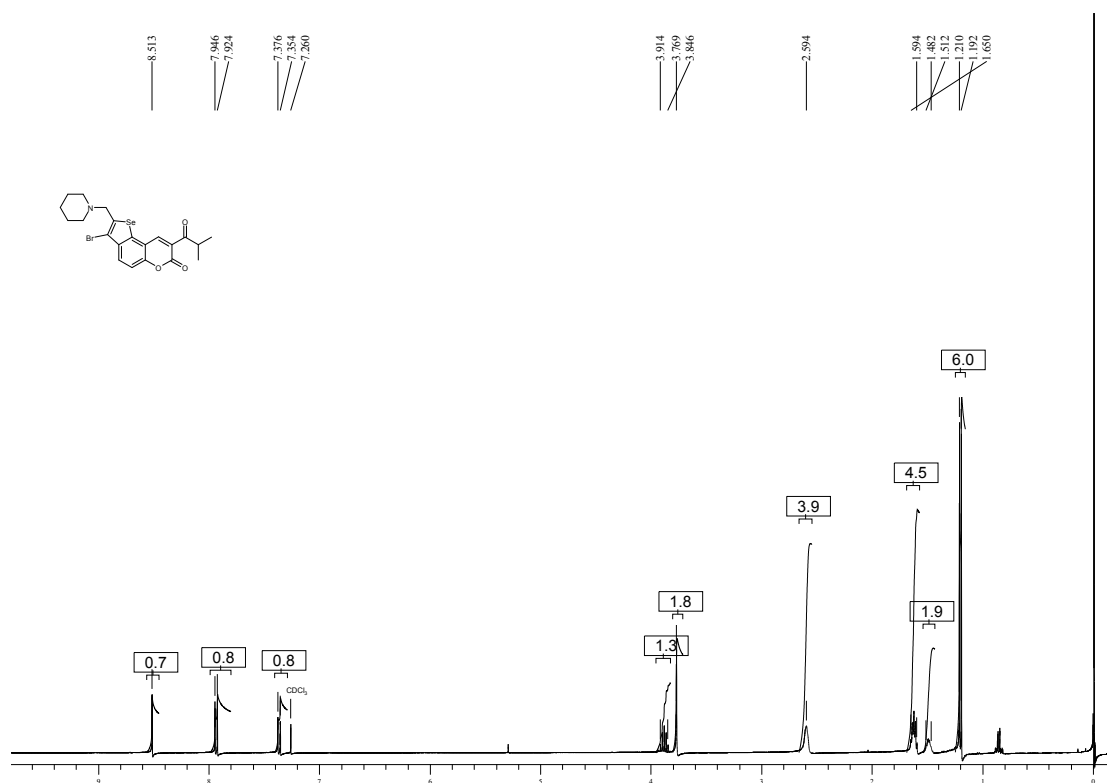
Decyl 3-bromo-7-oxo-2-piperidin-1-ylmethyl)-7*H*-selenopheno[2,3-*f*]chromene-8-carboxylate hydrochloride (32)



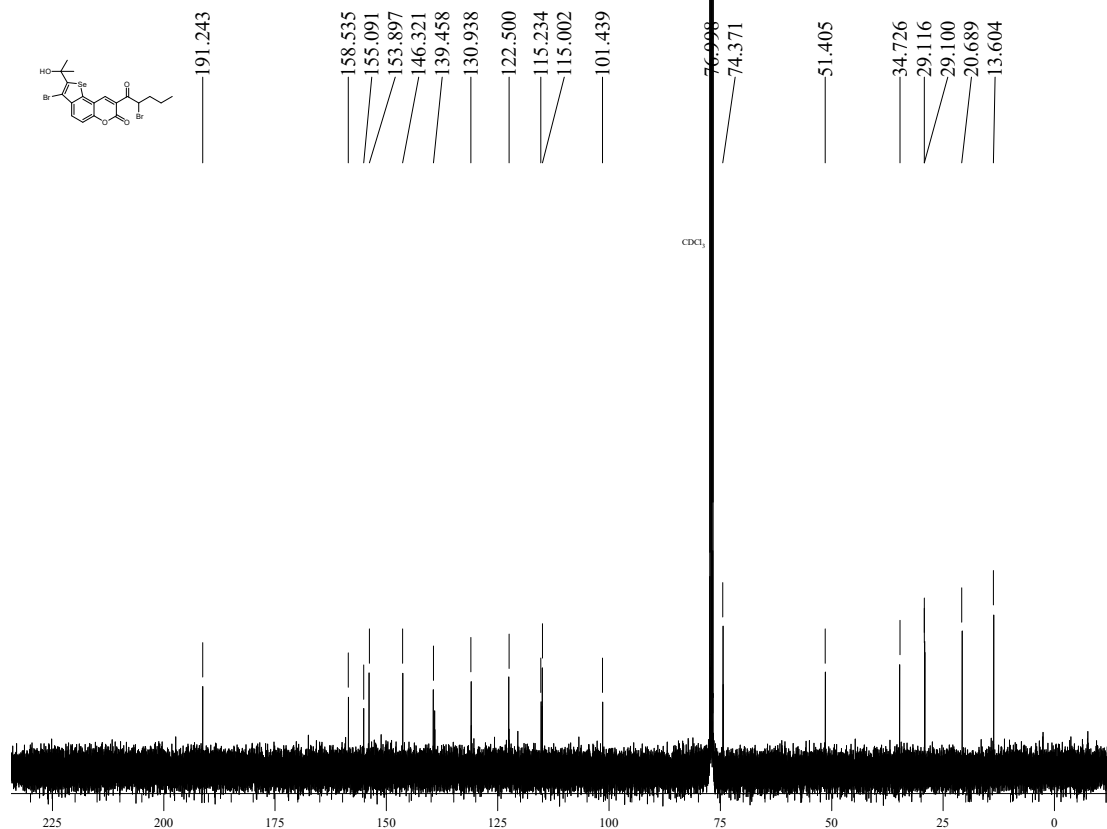
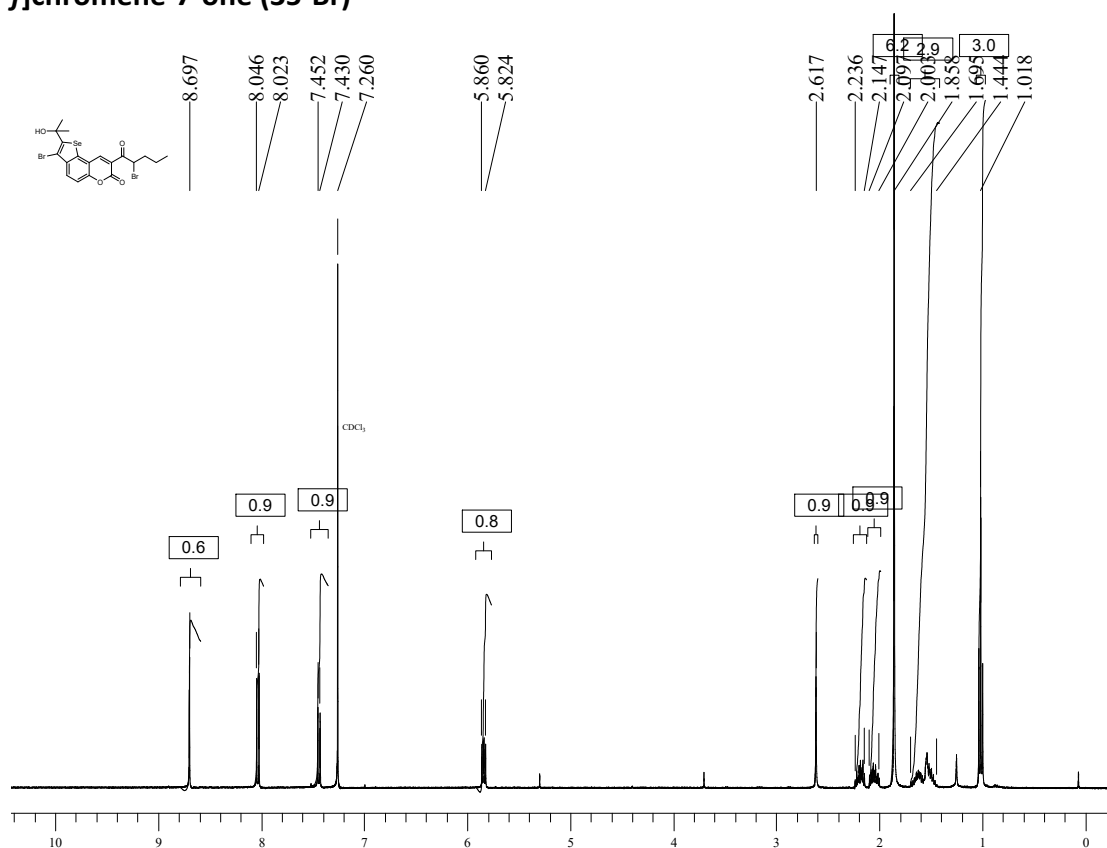
3-Bromo-2-(2-hydroxypropan-2-yl)-8-isobutyryl-7H-selenopheno[2,3-f]chromen-7-one (33)



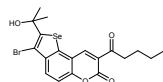
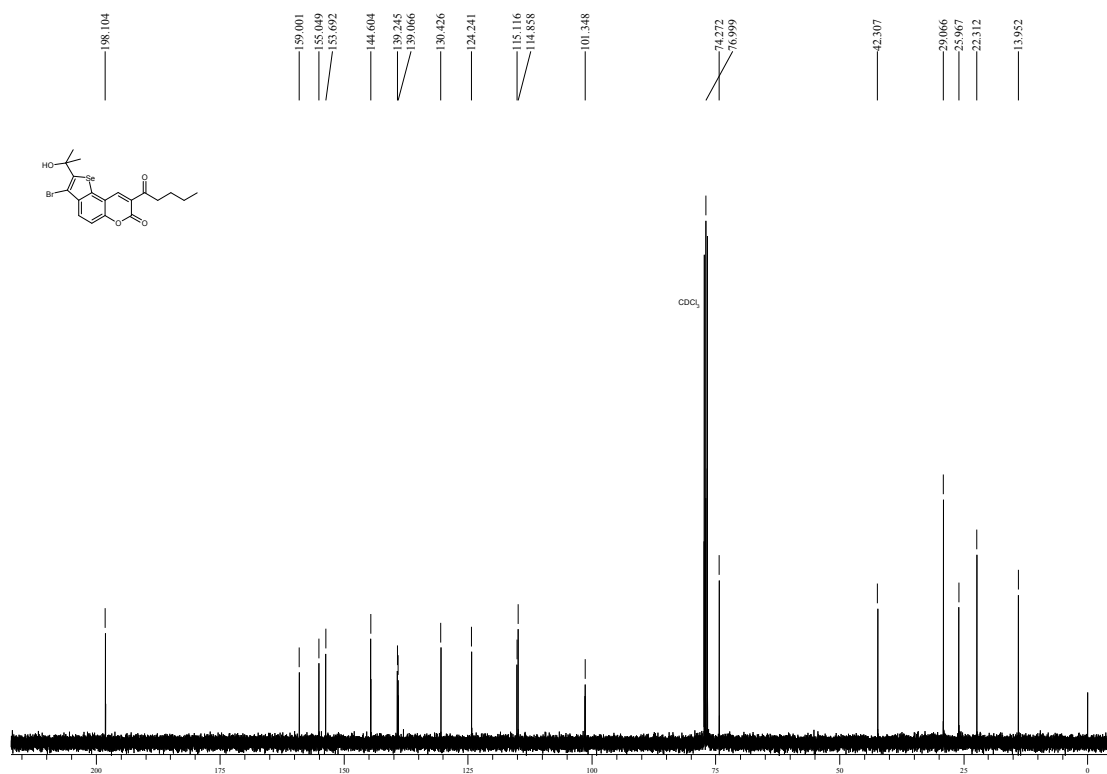
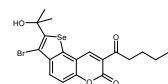
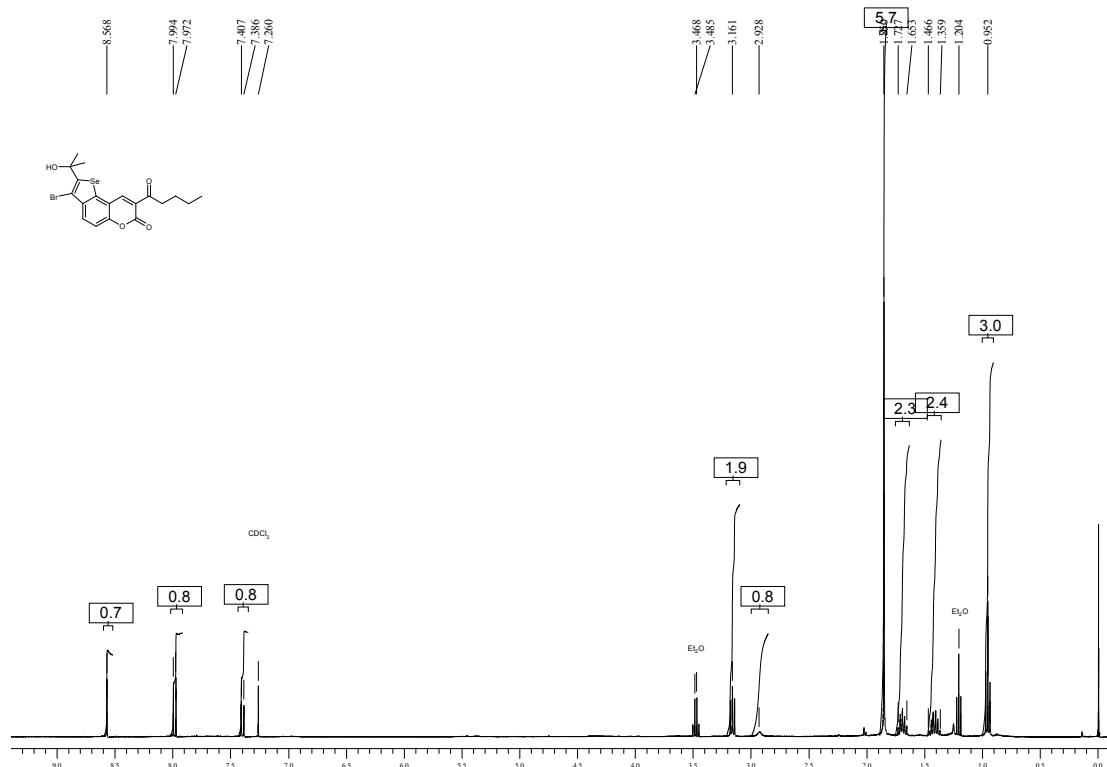
3-Bromo-8-isobutyryl-2-(piperidin-1-ylmethyl)-7H-selenopheno[2,3-f]chromen-7-one (34)



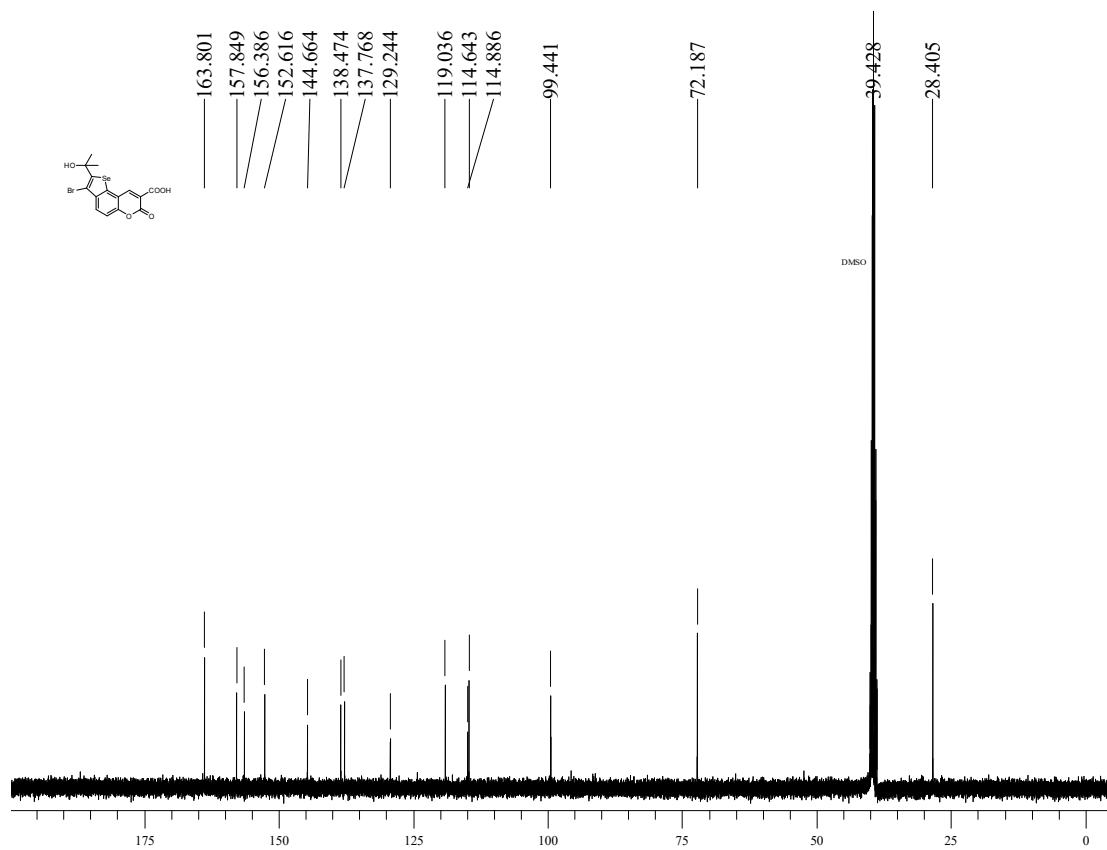
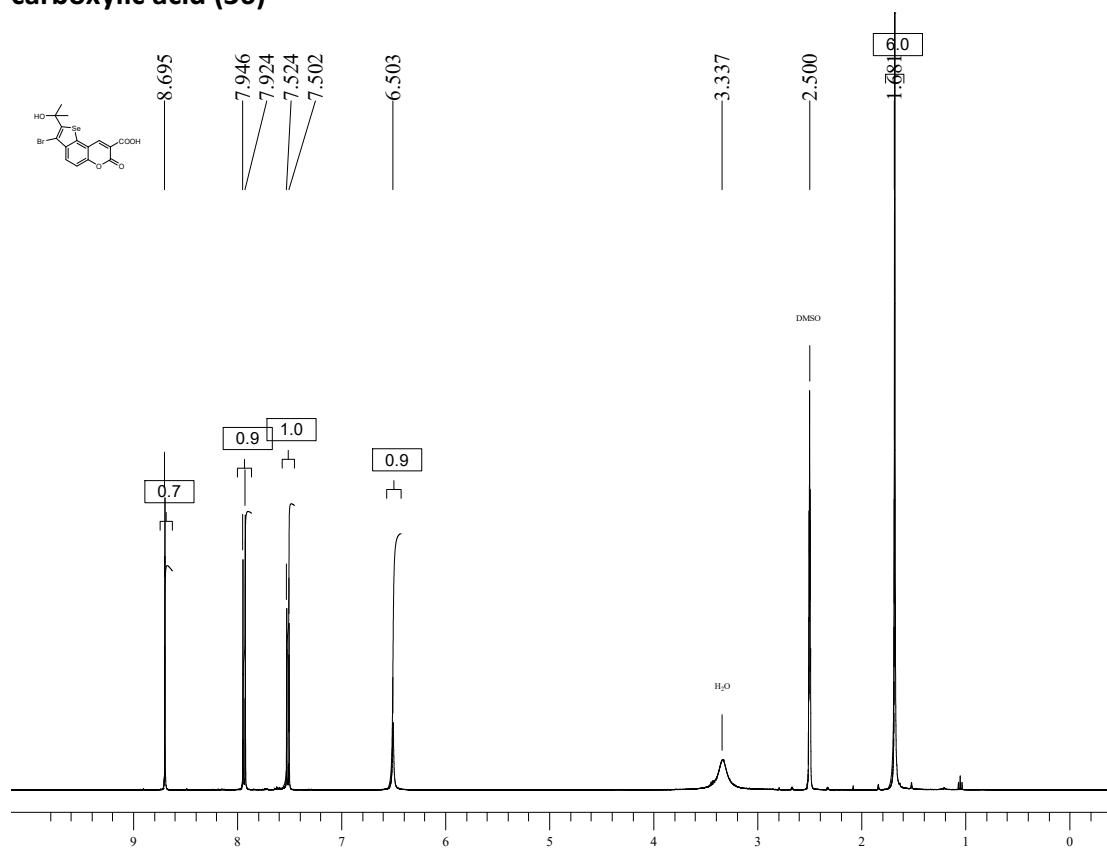
3-Bromo-2-(2-hydroxypropan-2-yl)-8-(2-bromo-pentanoyl)-7H-selenopheno[2,3-f]chromene-7-one (35-Br)



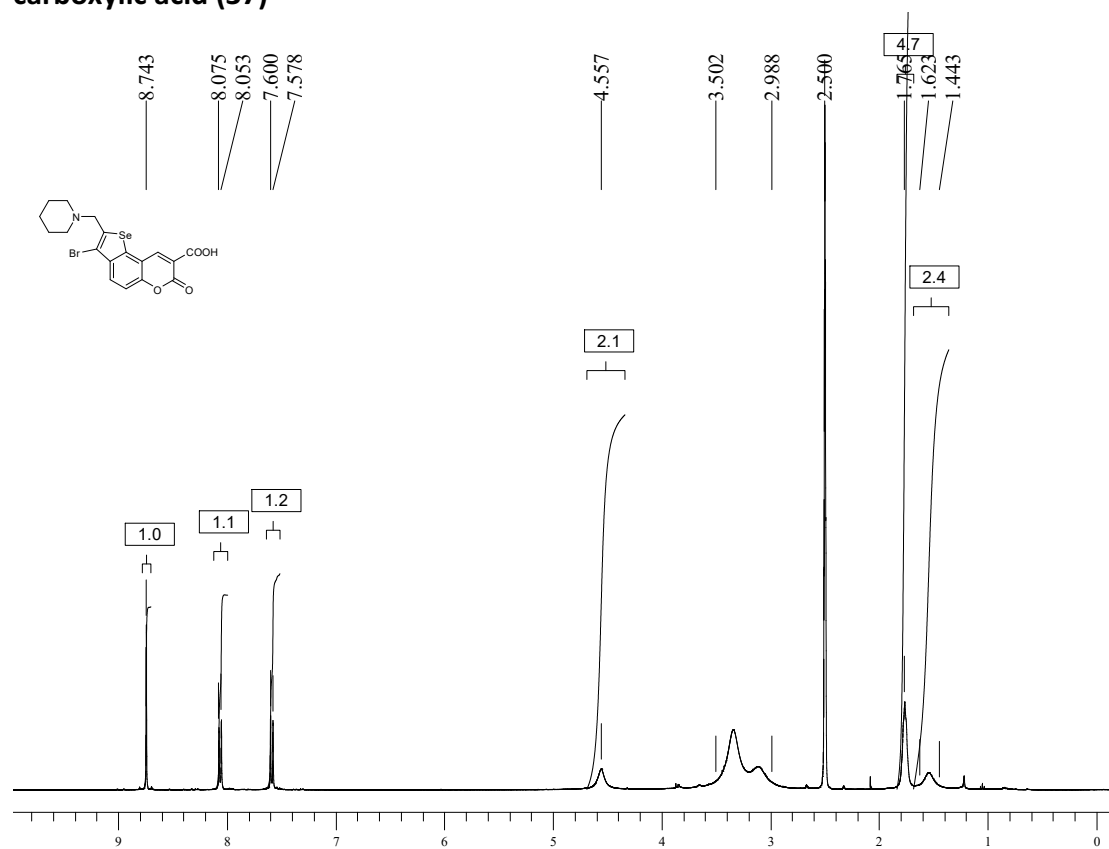
3-Bromo-2-(2-hydroxypropan-2-yl)-8-pentanoyl-7H-selenopheno[2,3-f]chromene-7-one (35)

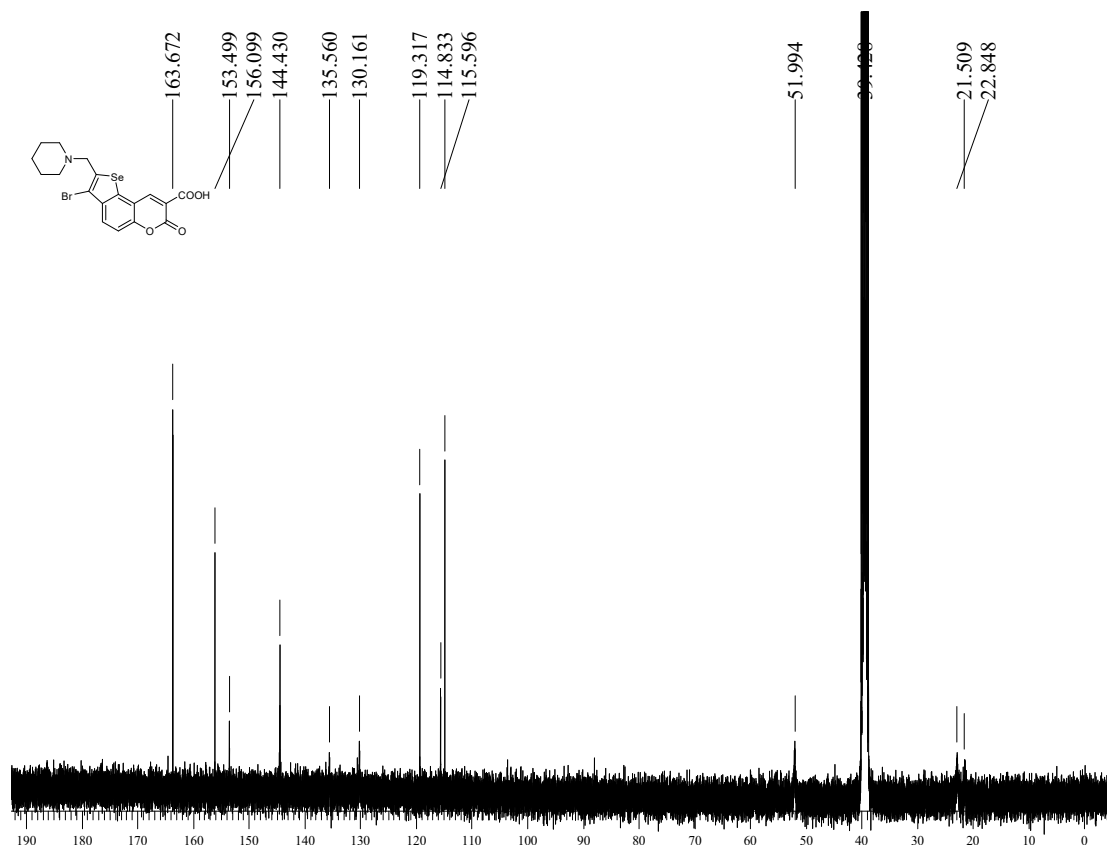


3-bromo-2-(2-hydroxypropan-2-yl)-7-oxo-7H-selemopheno[2,3-f]chromene-8-carboxylic acid (36)

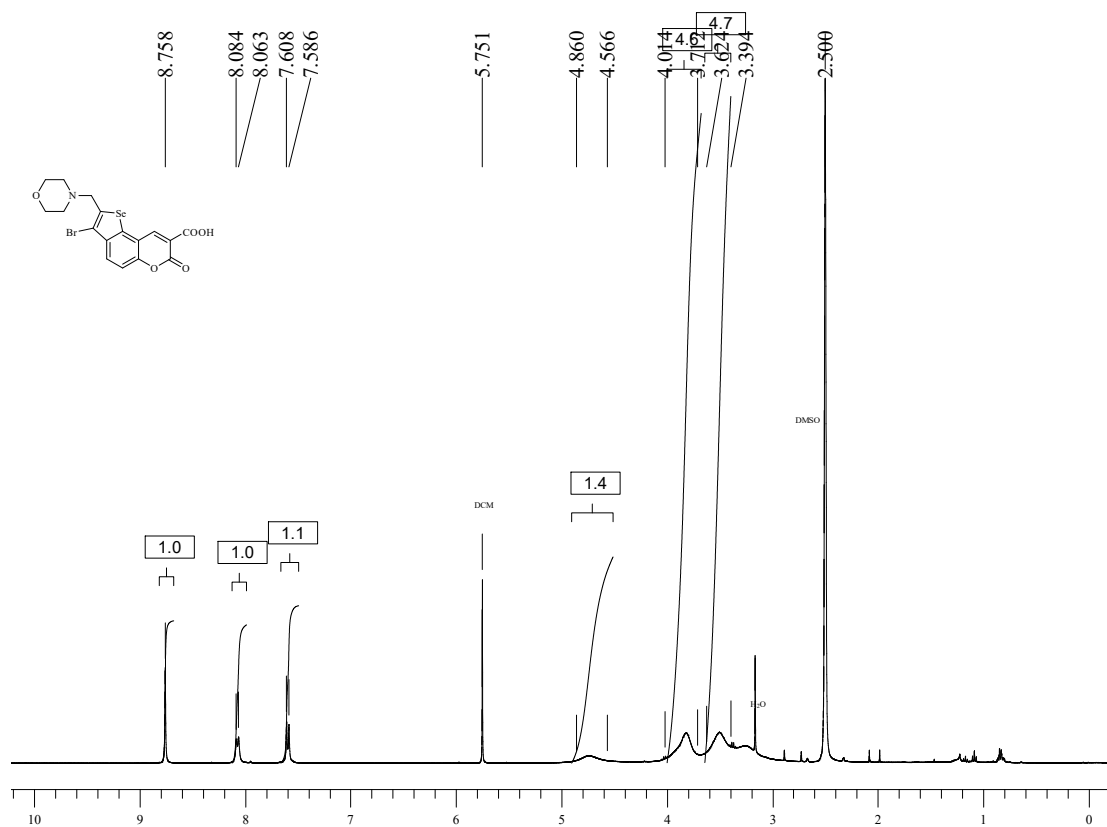


3-bromo-2-(piperidin-1-ylmethyl)-7-oxo-7H-selemopheno[2,3-f]chromene-8-carboxylic acid (37)





3-bromo-2-(morpholinomethyl)-7-oxo-7H-selepheno[2,3-f]chromene-8-carboxylic acid (38)



3-bromo-2-((4-methylpiperazin-1-yl)methyl)-7-oxo-7H-selemopheno[2,3-f]chromene-8-carboxylic acid (39)

