

SUPPLEMENTARY MATERIAL FOR

2-(Piperidin-4-yl)acetamides as potent inhibitors of soluble epoxide hydrolase with anti-inflammatory activity

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¹H and ¹³C NMR spectra of the synthesized compounds:

t-Butyl 4-(2-((9-methyl-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)amino)-2-oxoethyl)piperidine-1-carboxylate, **4a** Page S1

N-(9-methyl-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)-2-(piperidin-4-yl)acetamide, **5a** Page S2

2-(1-acetylpiperidin-4-yl)-*N*-(9-methyl-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)acetamide, **6a** Page S3

2-[1-(isopropylsulfonyl)piperidin-4-yl]-*N*-(9-methyl-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)acetamide, **6b** Page S4

N-(5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)-2-(piperidin-4-yl)acetamide, **5b** Page S5

N-(5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)-2-(1-(isopropylsulfonyl)piperidin-4-yl)acetamide, **6e** Page S6

N-(5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl-9-*d*)-2-(piperidin-4-yl)acetamide, **5c** Page S7

N-(5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl-9-*d*)-2-(1-(isopropylsulfonyl)piperidin-4-yl)acetamide, **6f** Page S8

t-butyl 4-(2-((9-fluoro-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-yl)amino)-2-oxoethyl)piperidine-1-carboxylate, **4d** Page S9

N-(9-fluoro-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo[9]annulen-7-

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2-(1-benzylpiperidin-4-yl)- <i>N</i> -(9-methyl-5,6,8,9,10,11-hexahydro-7 <i>H</i> -5,9:7,11-dimethanobenzo[9]annulen-7-yl)acetamide, 6g	Page S15
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2-(1-(4-cyanophenyl)piperidin-4-yl)- <i>N</i> -(9-fluoro-5,6,8,9,10,11-hexahydro-7 <i>H</i> -5,9:7,11-dimethanobenzo[9]annulen-7-yl)acetamide, 10b	Page S21
4-(4-(2-((9-fluoro-5,6,8,9,10,11-hexahydro-7 <i>H</i> -5,9:7,11-dimethanobenzo[9]annulen-	

7-yl)amino)-2-oxoethyl)piperidin-1-yl)benzoic acid, **10c**

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3-cyclopropyl-4-(4-(2-((9-fluoro-5,6,8,9,10,11-hexahydro-7*H*-5,9:7,11-dimethanobenzo

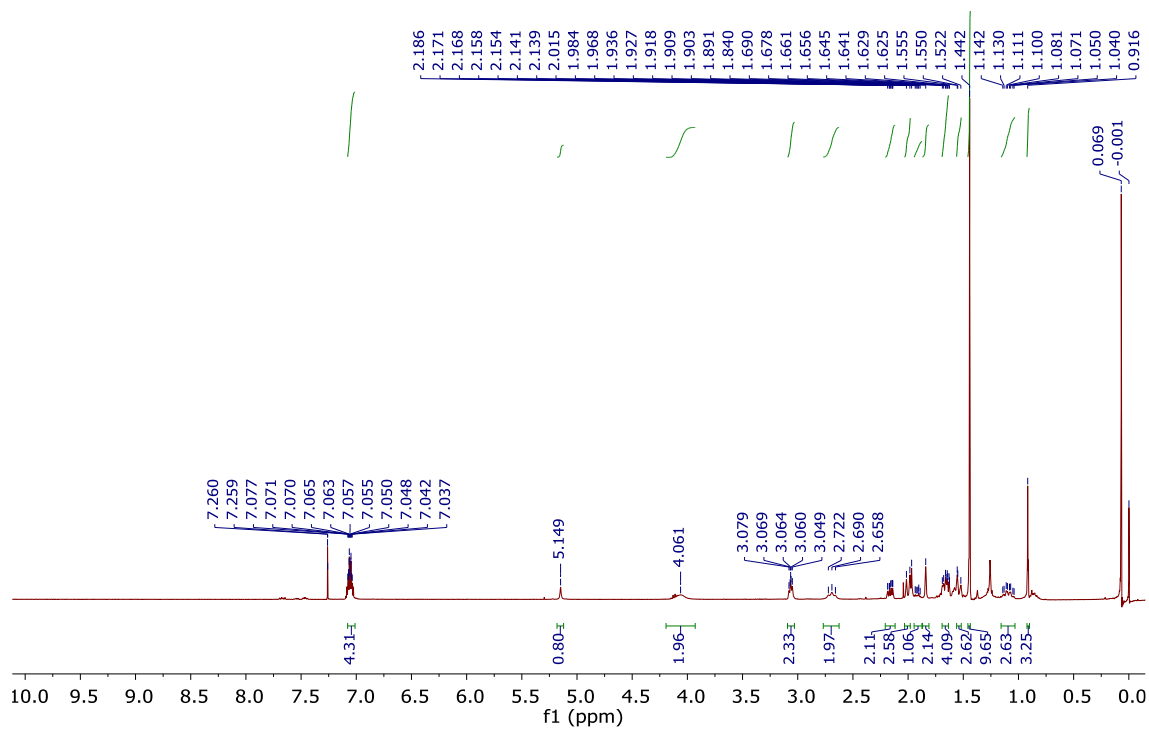
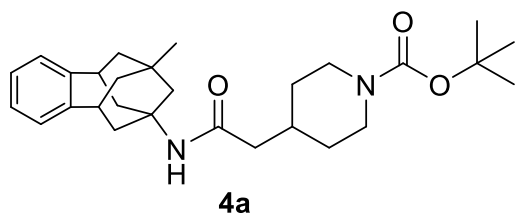
[9]annulen-7-yl)amino)-2-oxoethyl)piperidin-1-yl)benzoic acid, **10d**

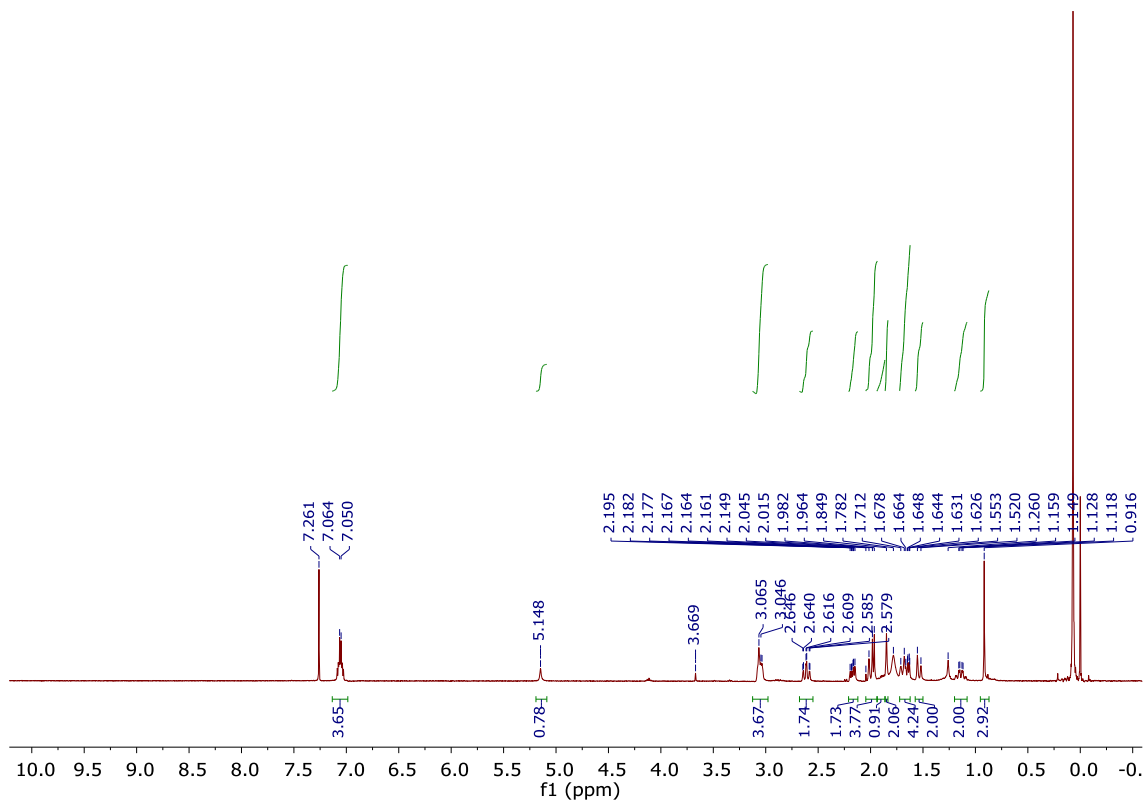
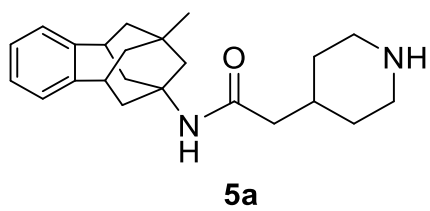
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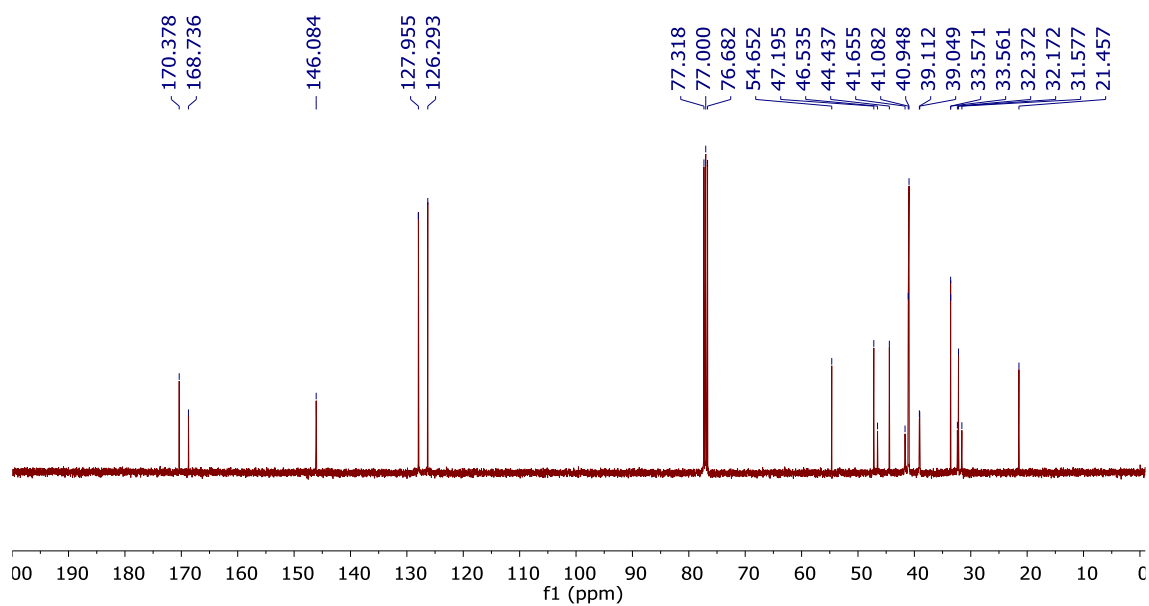
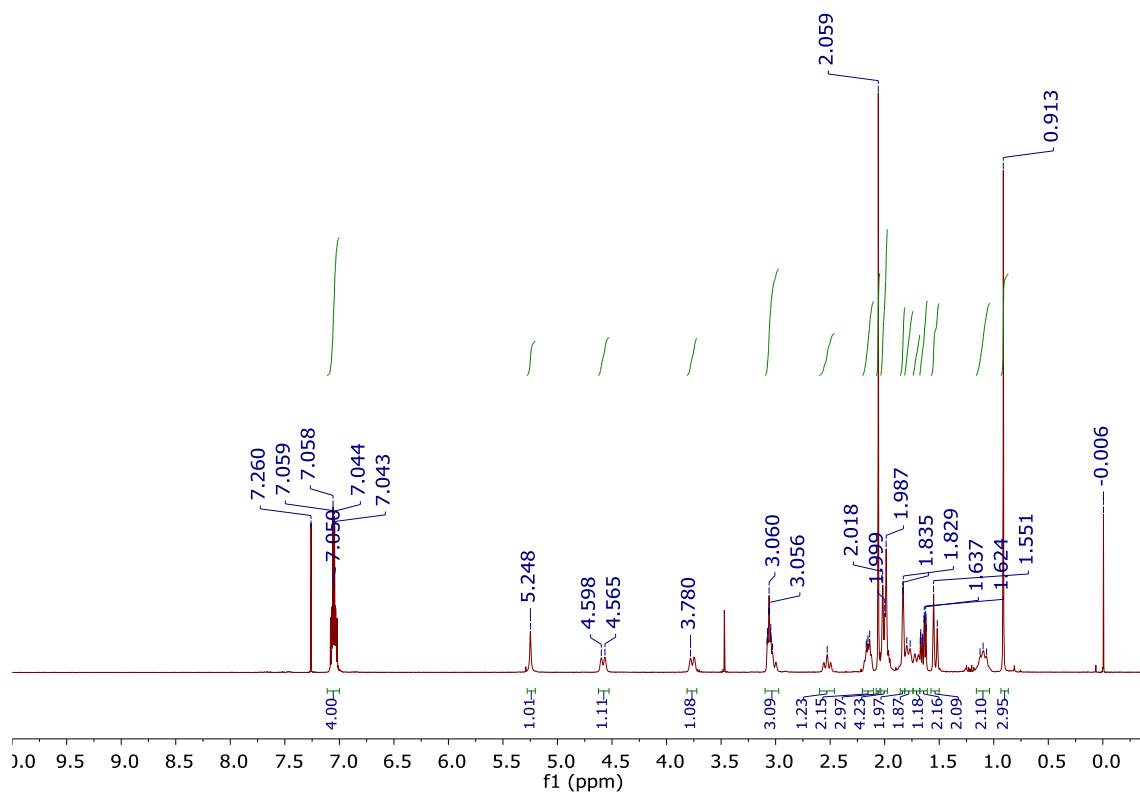
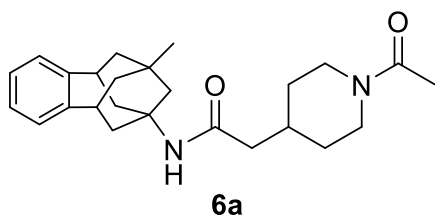
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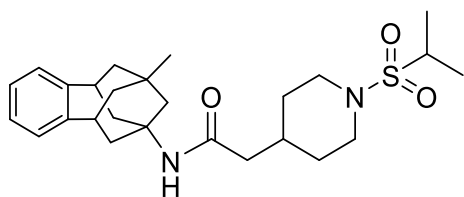
7-yl)amino)-2-oxoethyl)piperidin-1-yl)benzoic acid, **10e**

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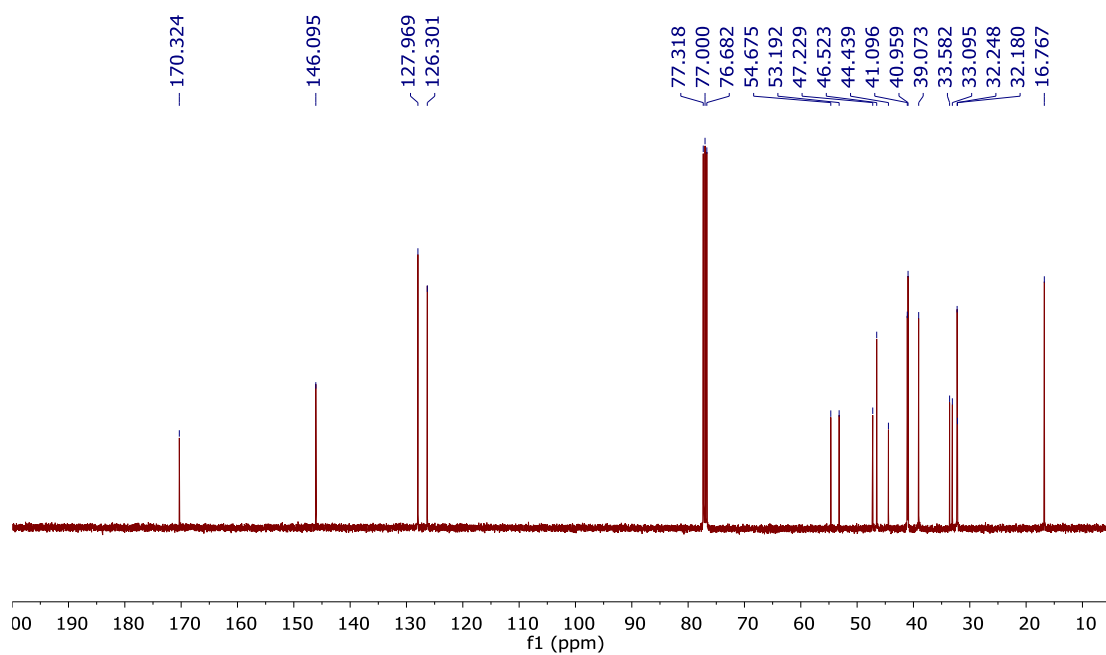
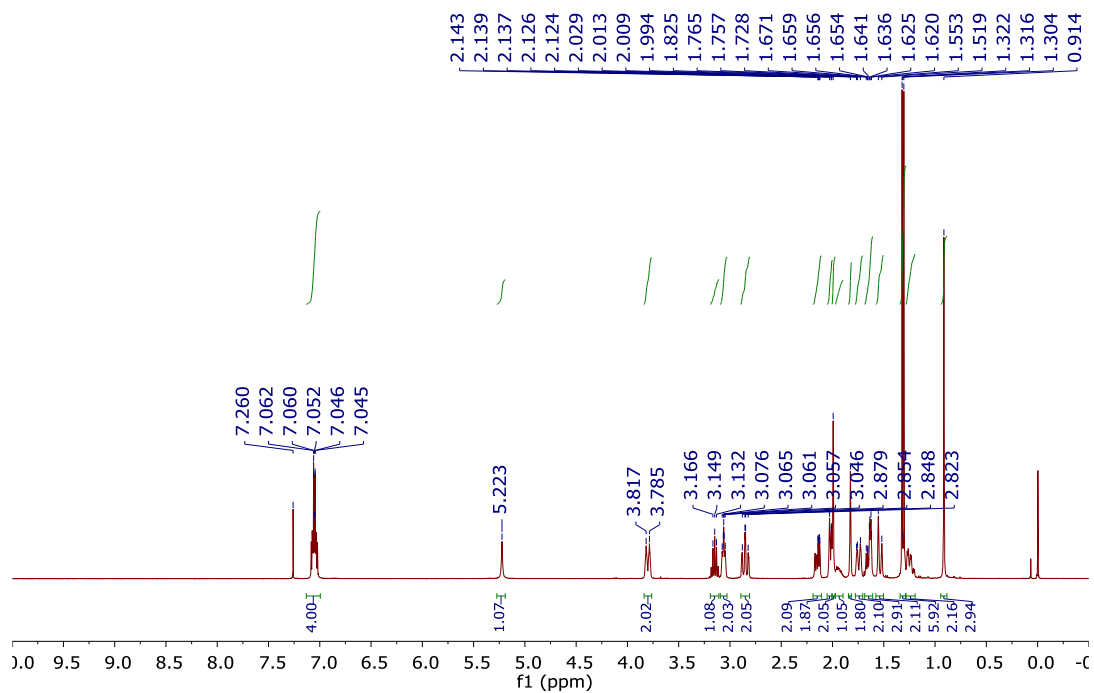


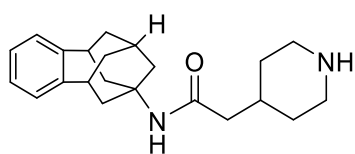






6b





5b

