Supplementary Material (ESI) for Organic & Biomolecular Chemistry

Synthesis, radiosynthesis and biological evaluation of 1,4-dihydroquinoline derivatives as new carriers for specific brain delivery.

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Supporting Information

HPLC chromatograms of 1,4-dihydroquinolines **1a** and **1b**

^{1}H NMR spectra of 1,4-dihydroquinolines **1a**, **1b** and **1d**

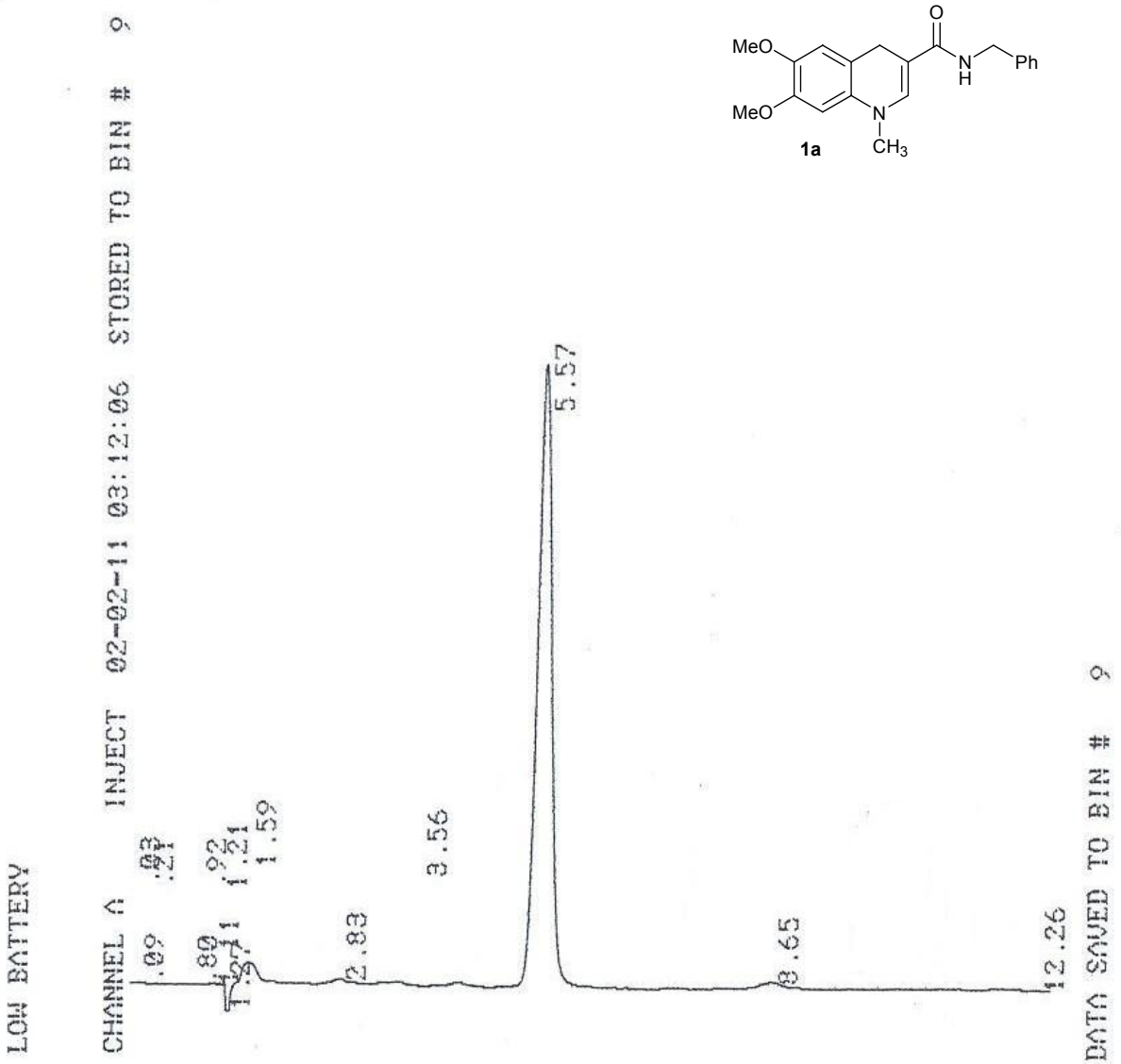
Aquasil C18 column (5µm, 150x4.6mm)

Eluent: CH_3CN (60%) /H_2O (40%)

Flow: 1mL/min

λ = 254 nm

rentention time : 5.57 min



1a

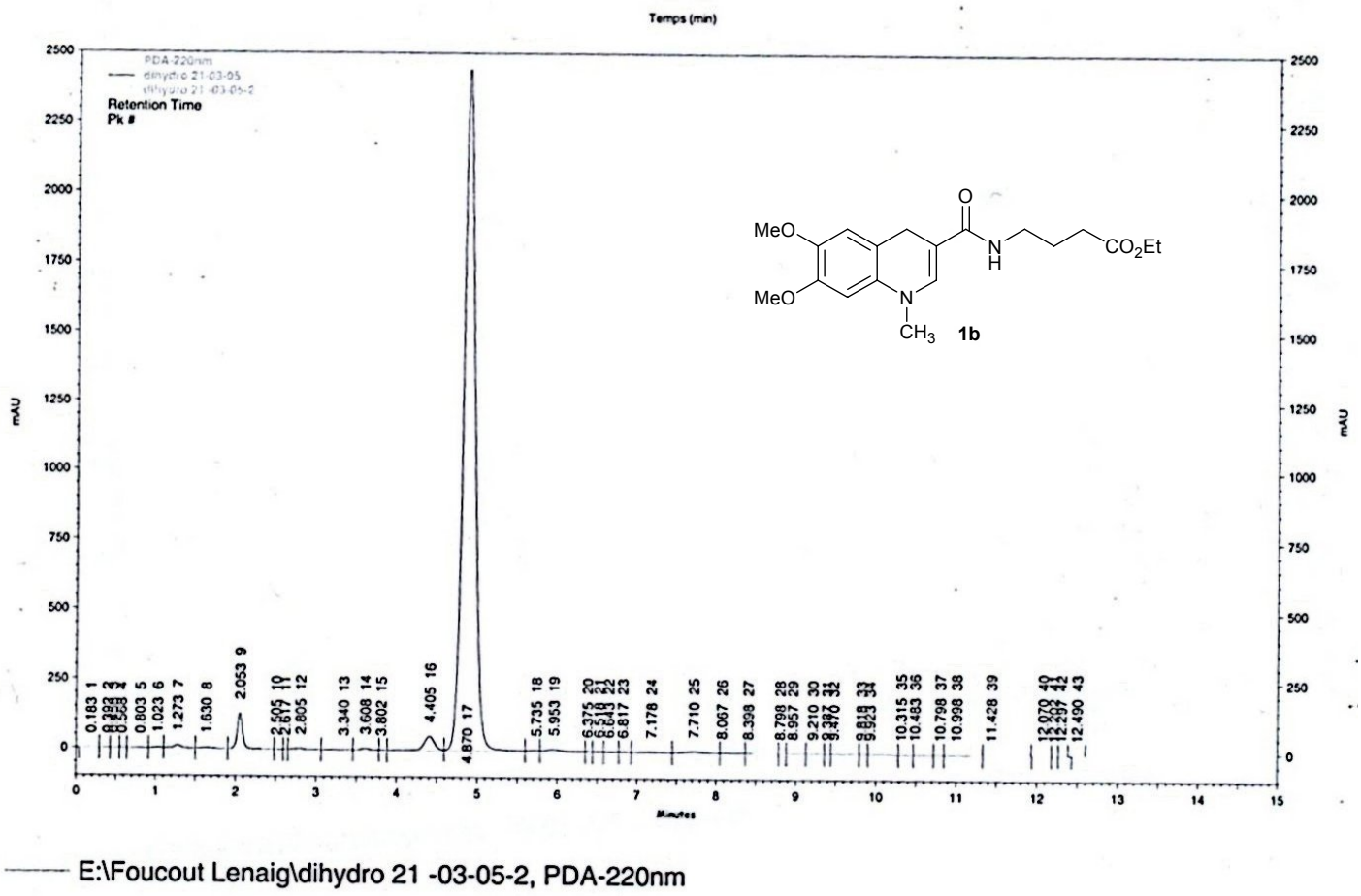
Aquasil C18 column (5µm, 150x4.6mm)

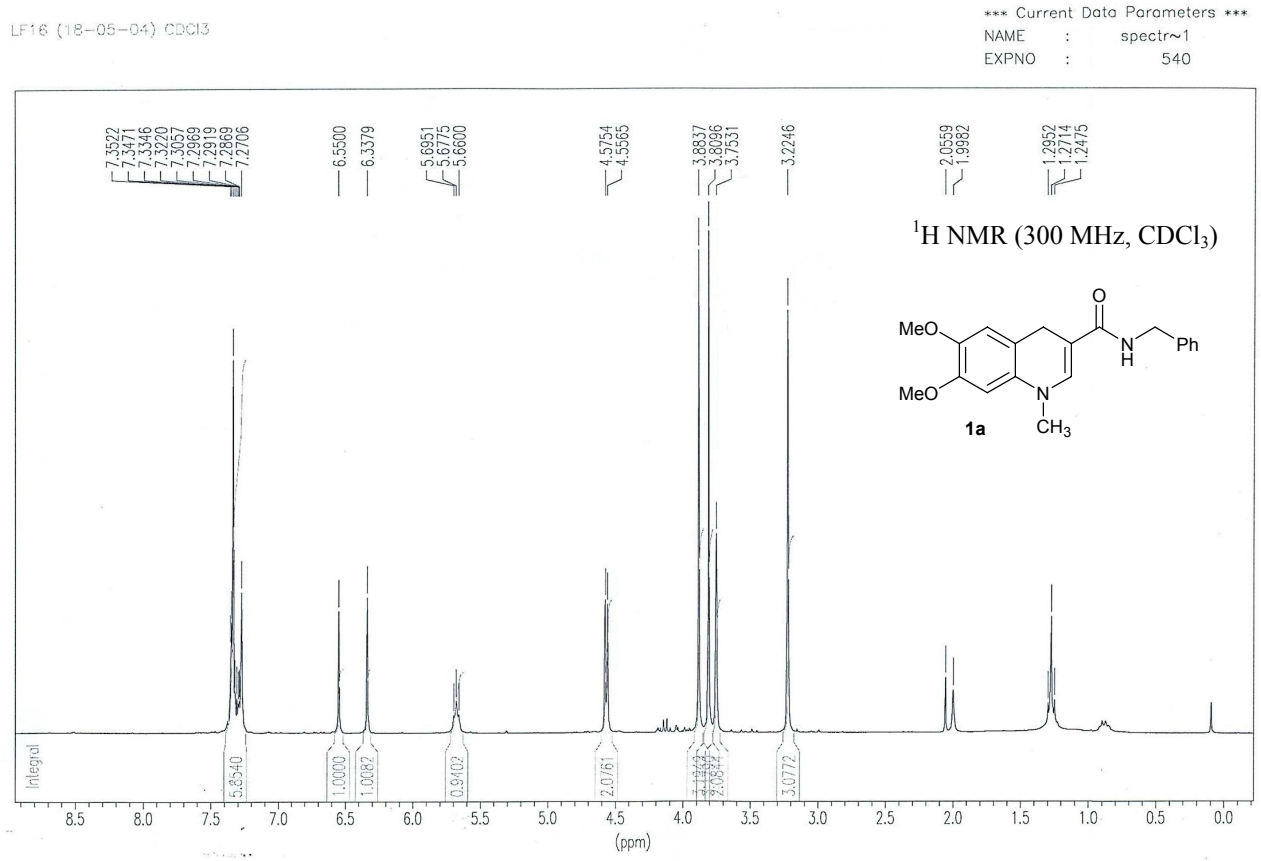
Eluent: H_2O

Flow : 1mL/min

λ = 220 nm

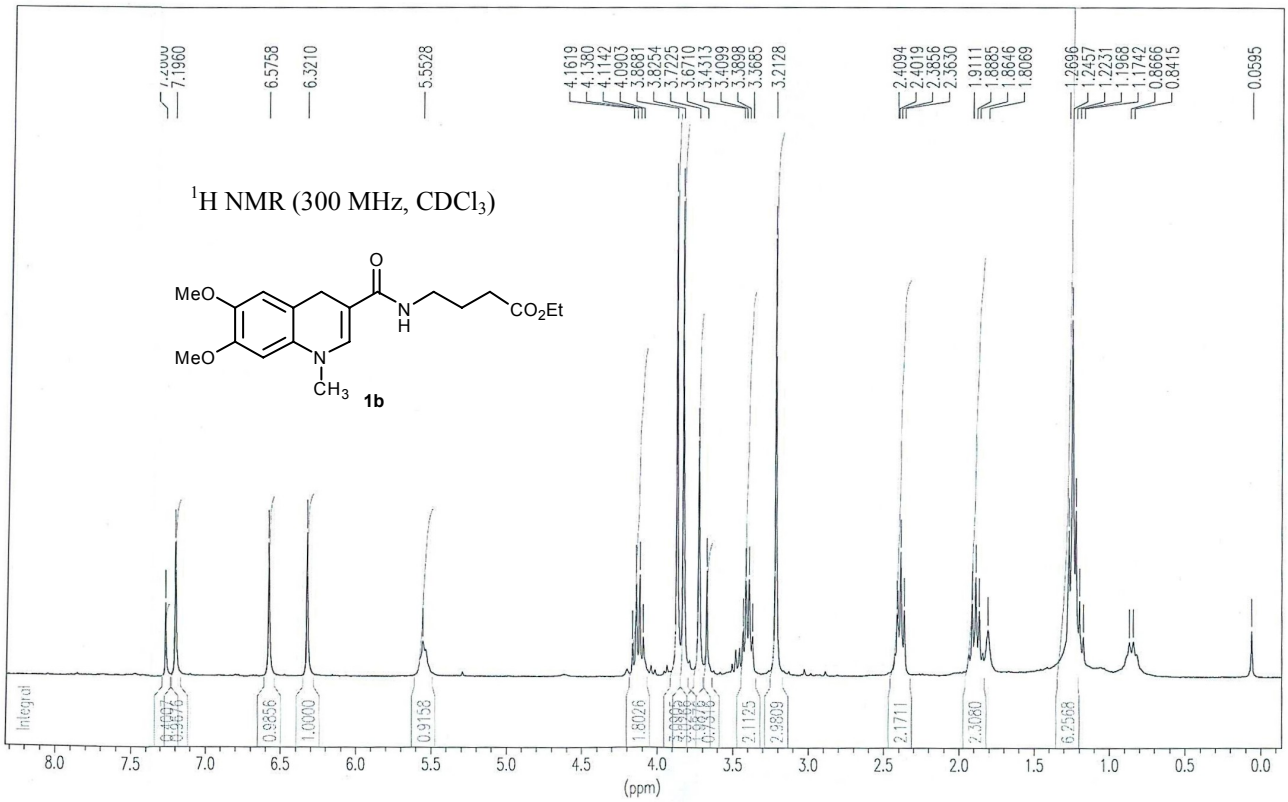
rentention time : 4.87 min





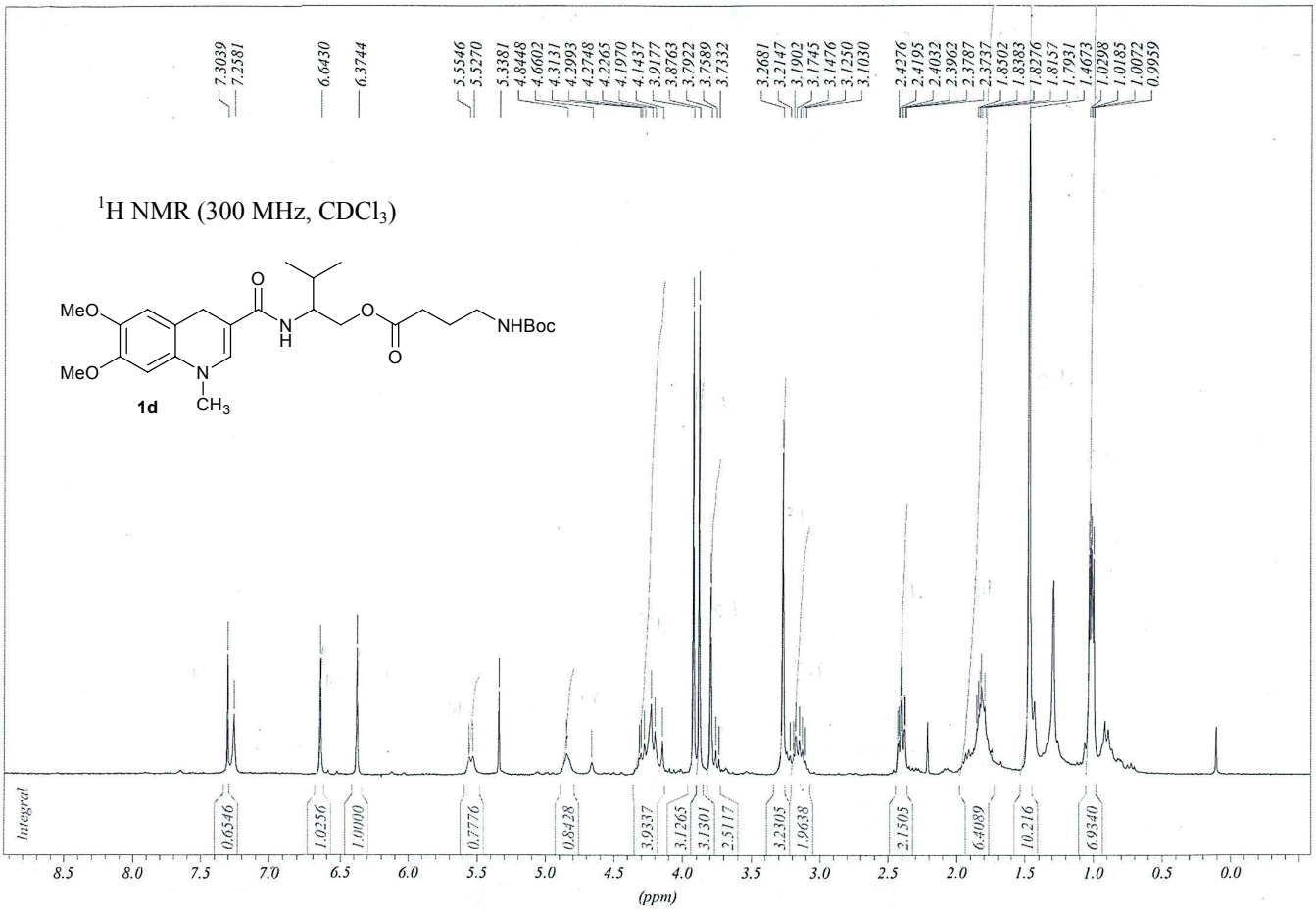
^{1}H NMR (300 MHz, $CDCl_3$)

1a



^{1}H NMR (300 MHz, $CDCl_3$)

1b


^{1}H NMR (300 MHz, $CDCl_3$)
MeO
MeO
O
N
H
O
O
NHBoc
N
CH_3
1d
7.3039
7.2581
6.6430
6.3744
5.5546
5.5270
5.3381
4.8448
4.6602
4.3131
4.2993
4.2748
4.2265
4.1970
4.1437
3.9177
3.8763
3.7922
3.7589
3.7332
3.2681
3.2147
3.1902
3.1745
3.1476
3.1250
3.1030
2.4276
2.4195
2.4032
2.3962
2.3787
2.3737
1.8502
1.8383
1.8276
1.8157
1.7931
1.4673
1.0298
1.0185
1.0072
0.9959
Integral
0.6546
1.0256
1.0000
0.7776
0.8428
3.9337
3.1265
3.1301
2.5117
3.2305
1.9638
2.1505
6.4089
10.216
6.9340
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
(ppm)