

Supplementary information

Structural Evaluation and Electrophysiological Effects of Some Kynurenic Acid Analogs

Evelin Fehér ^{1,2,†}, István Szatmári ^{3,4,5,†}, Tamás Dudás ², Anna Zalatnai ², Tamás Farkas ^{2,*},
Bálint Lőrinczi ^{3,4}, Ferenc Fülöp ^{3,4,5}, László Vécsei ^{1,6} and József Toldi ²

¹ Department of Neurology, Interdisciplinary Excellence Centre, Albert Szent-Györgyi Clinical Center, Faculty of Medicine, University of Szeged, Semmelweis u. 6, H-6725 Szeged, Hungary; feher.evelin23@gmail.com (E.F.); vecsei.laszlo@med.u-szeged.hu (L.V.)

² Department of Physiology, Anatomy and Neuroscience, University of Szeged, Közép fasor 52, H-6726 Szeged, Hungary; dudi.14t@gmail.com (T.D.); zalatnaianna@gmail.com (A.Z.); toldi@bio.u-szeged.hu (J.T.)

³ Institute of Pharmaceutical Chemistry, University of Szeged, Eötvös u. 6, H-6720 Szeged, Hungary; szatmari.istvan@pharm.u-szeged.hu (I.S.); lorinczi.balint@pharm.u-szeged.hu (B.L.); fulop@pharm.u-szeged.hu (F.F.)

⁴ Stereochemistry Research Group of the Hungarian Academy of Sciences, Eötvös utca 6, H-6720 Szeged, Hungary

⁵ Institute of Pharmaceutical Chemistry, Interdisciplinary Excellence Centre, University of Szeged, Eötvös u. 6, H-6720 Szeged, Hungary

⁶ MTA-SZTE Neuroscience Research Group, Semmelweis u. 6, H-6725 Szeged, Hungary

[†] These authors contributed equally to this work.

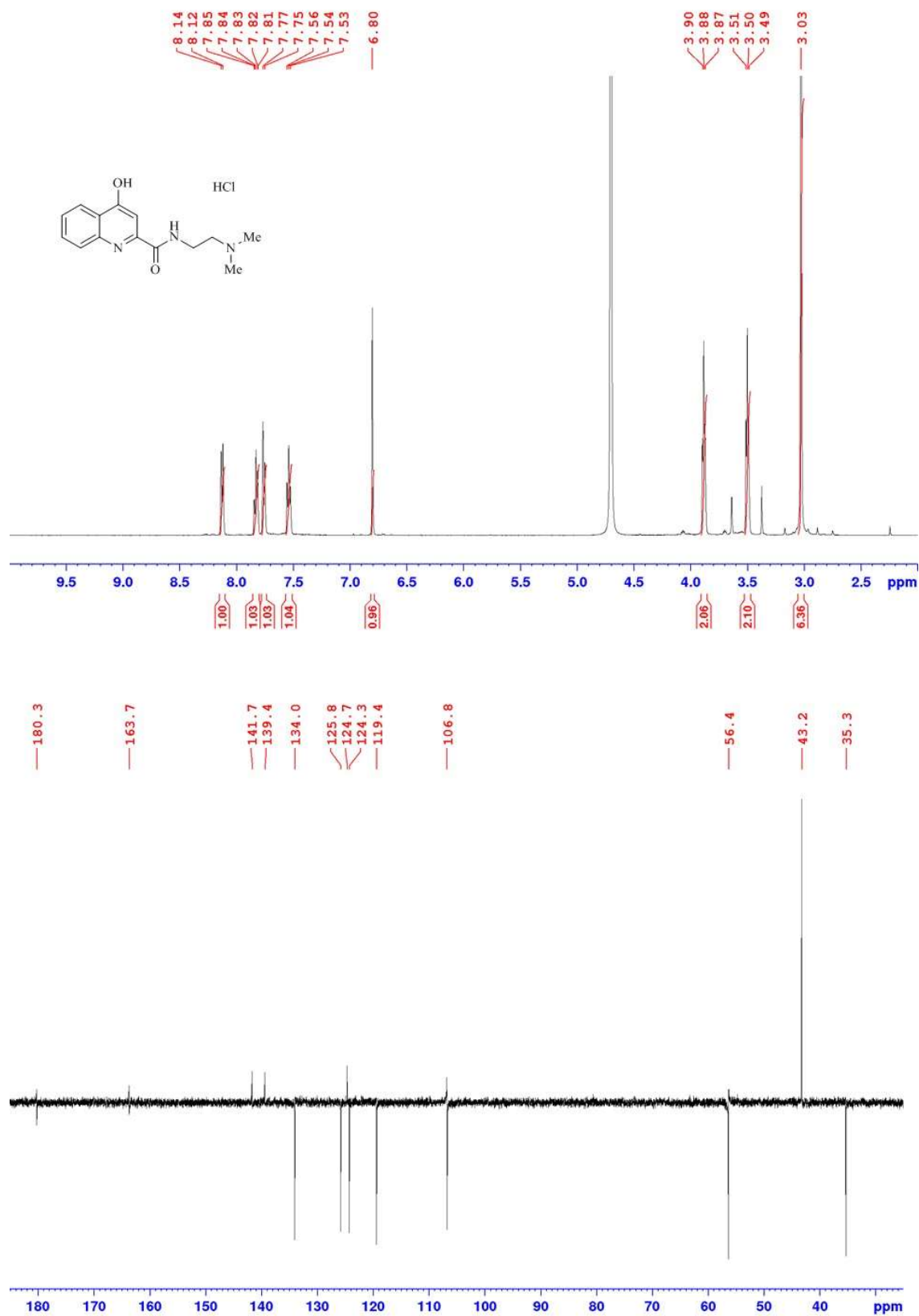
* Correspondence: tfarkas@bio.u-szeged.hu; Tel.: +36 (62) 544-381

Contents:

1. Copies of ¹ H- and ¹³ CNMR spectra of 2-6	S2
---	----

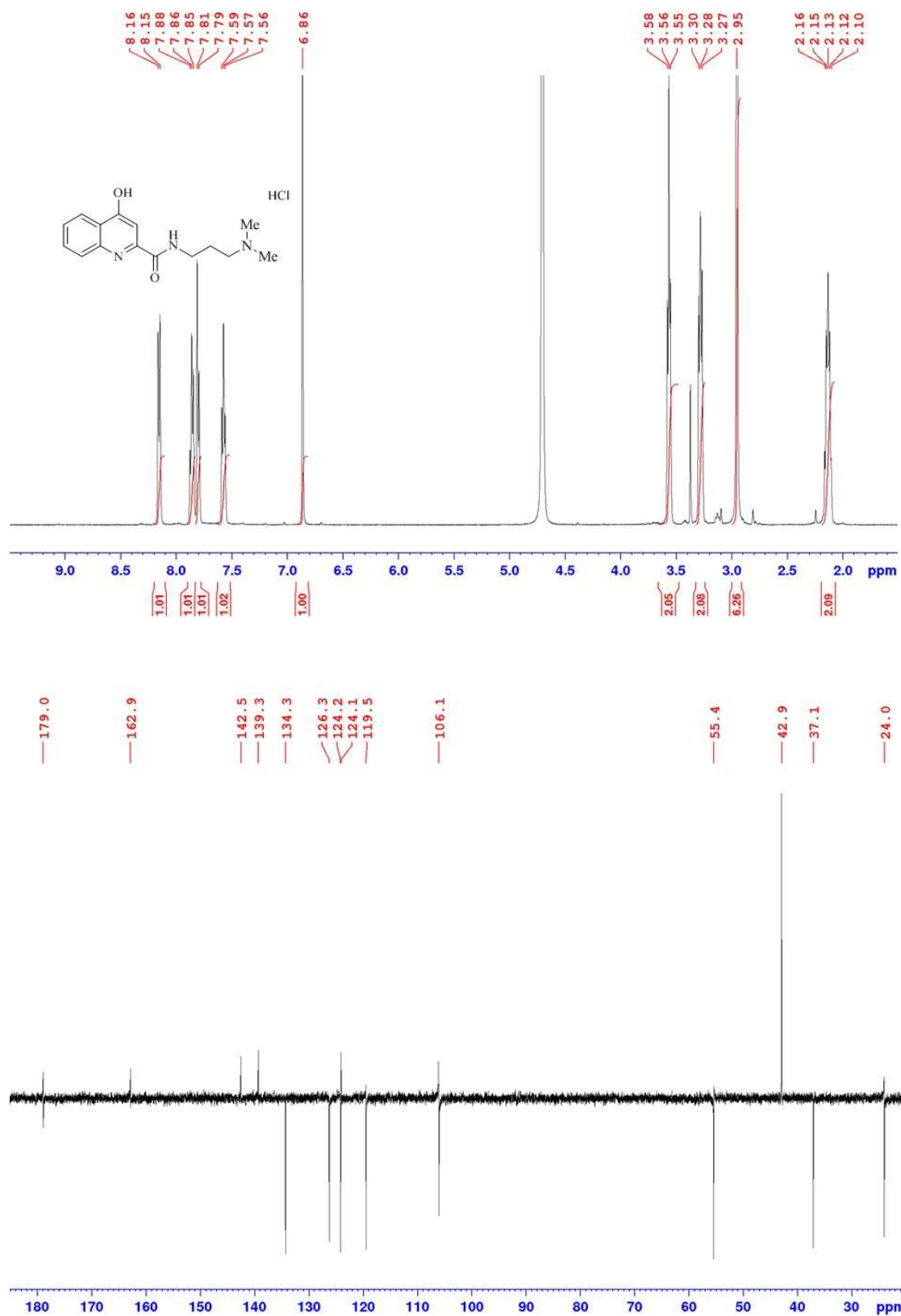
N-(2-(dimethylamino)ethyl)-4-hydroxyquinoline-2-carboxamide hydrochloride (2)

D₂O



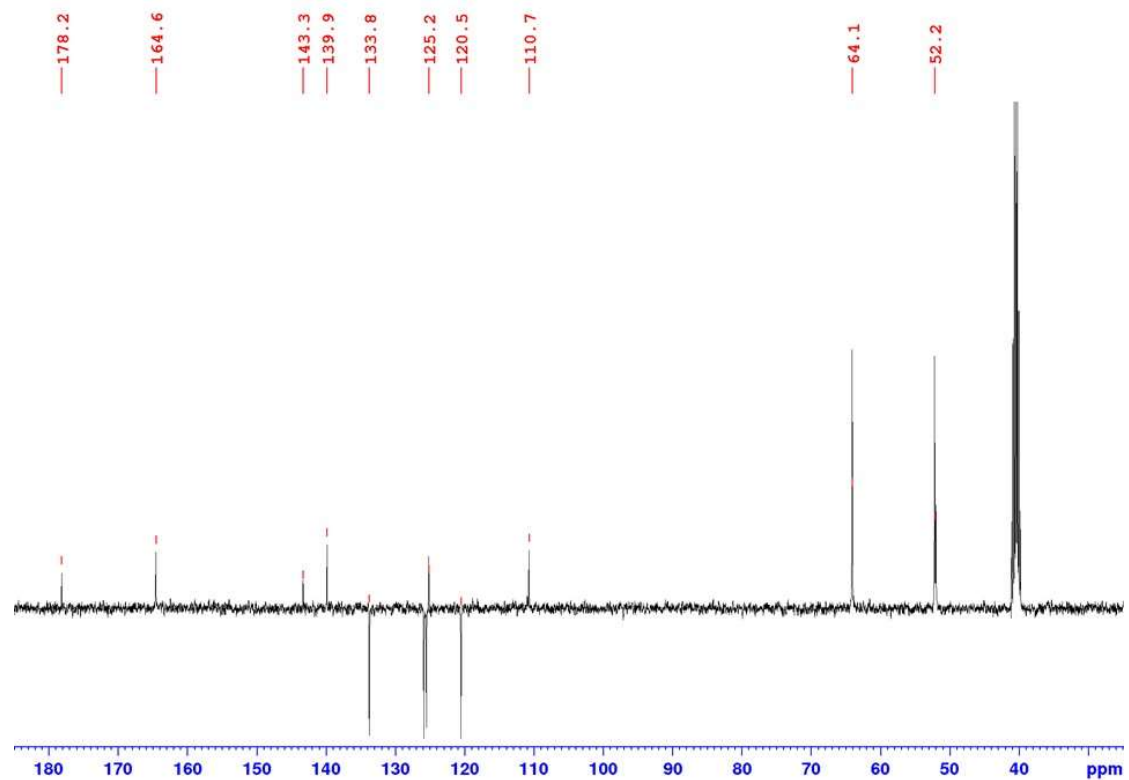
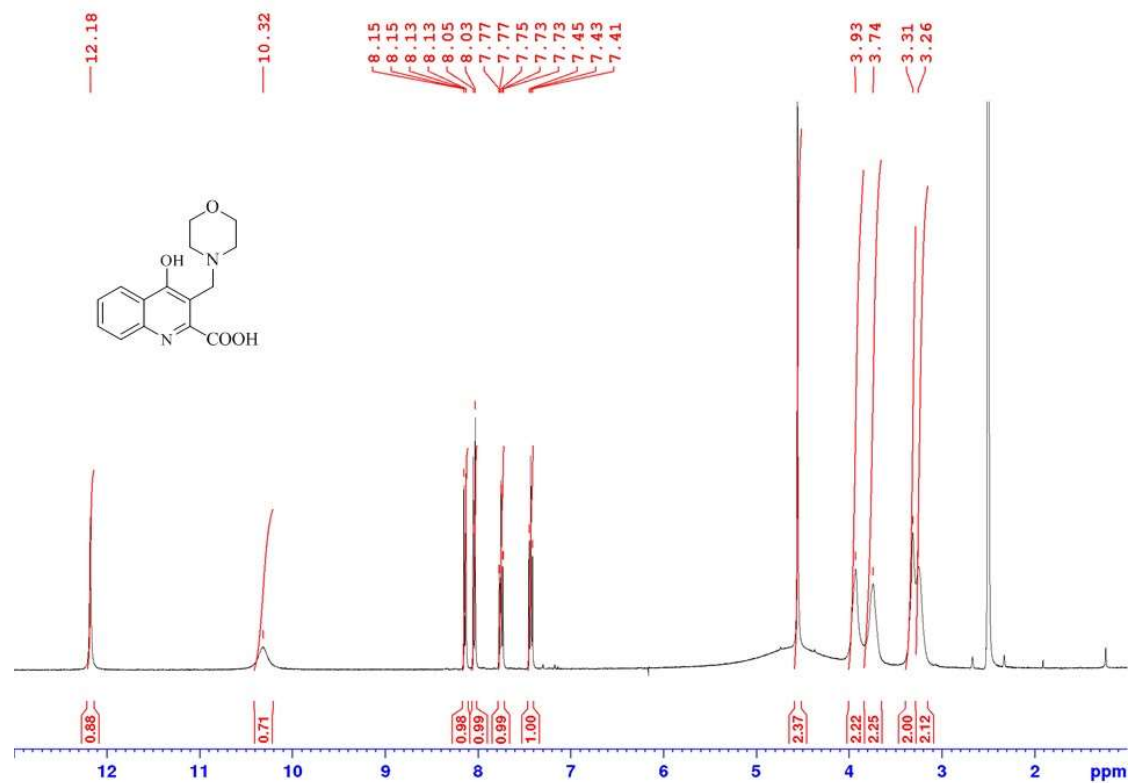
N-(3-(dimethylamino)propyl)-4-hydroxyquinoline-2-carboxamide (3)

D₂O

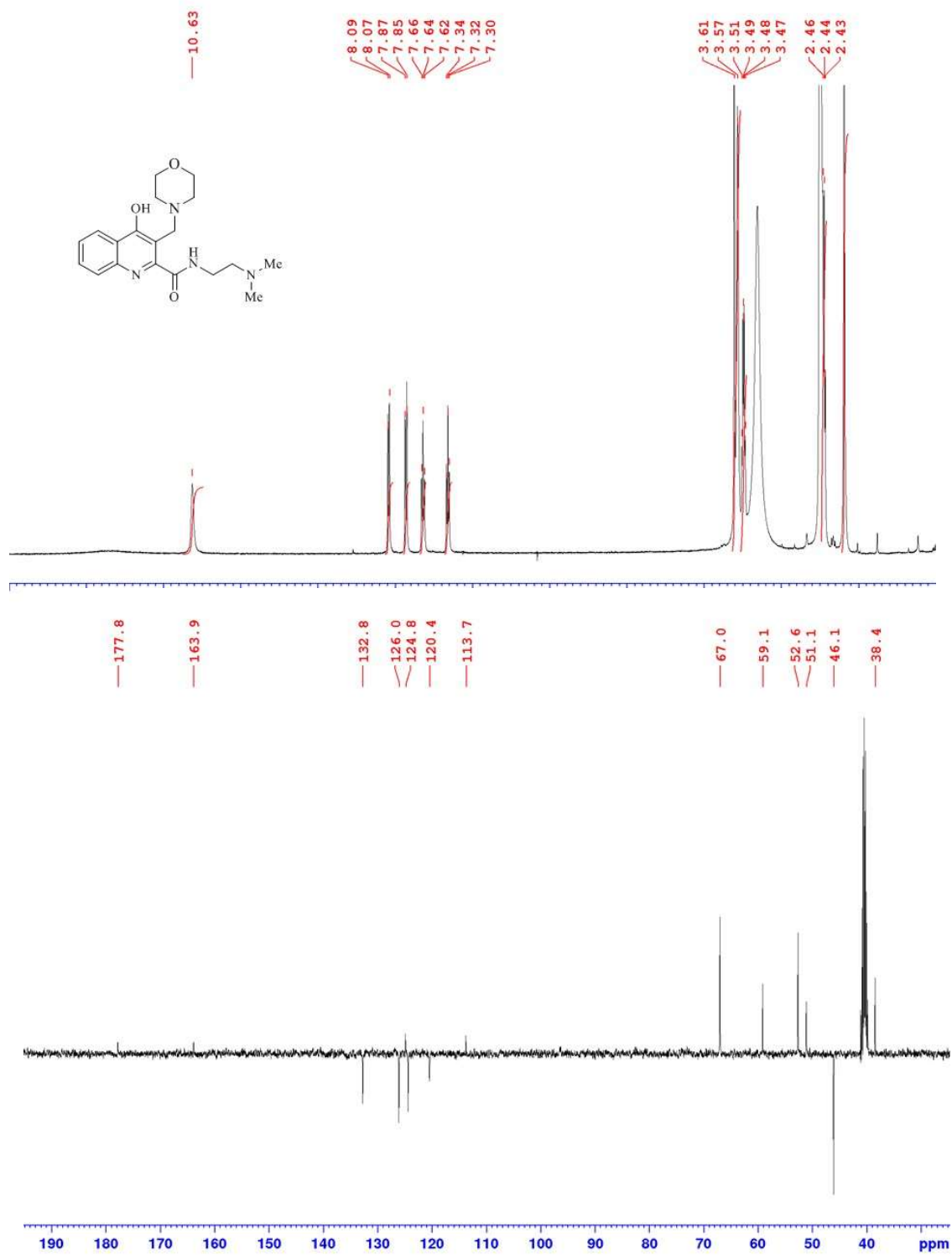


4-hydroxy-3-(morpholinomethyl)quinoline-2-carboxylic acid (4)

DMSO



N-(2-(dimethylamino)ethyl)-4-hydroxy-3-(morpholinomethyl)quinoline-2-carboxamide (5)



DMSO

4-hydroxy-3-(morpholinomethyl)-N-(2-(pyrrolidin-1-yl)ethyl)quinoline-2-carboxamide (6)
DMSO

