

Supplementary Information

Discovery of triazolyl thalidomide derivatives as anti-fibrosis agents

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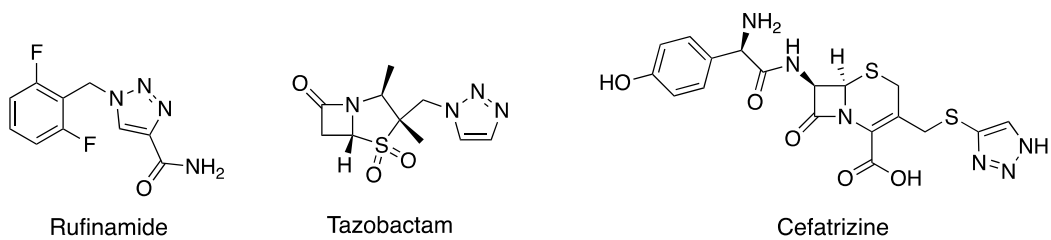
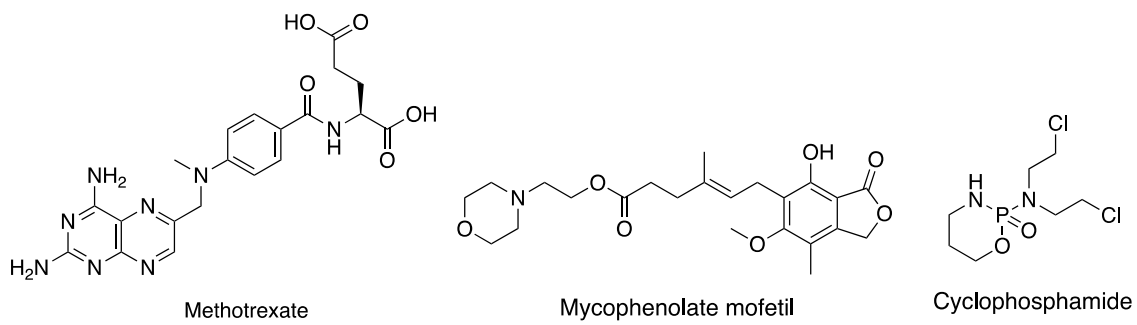


Figure S1. Chemical structure of FDA approved drug mentioned in text.

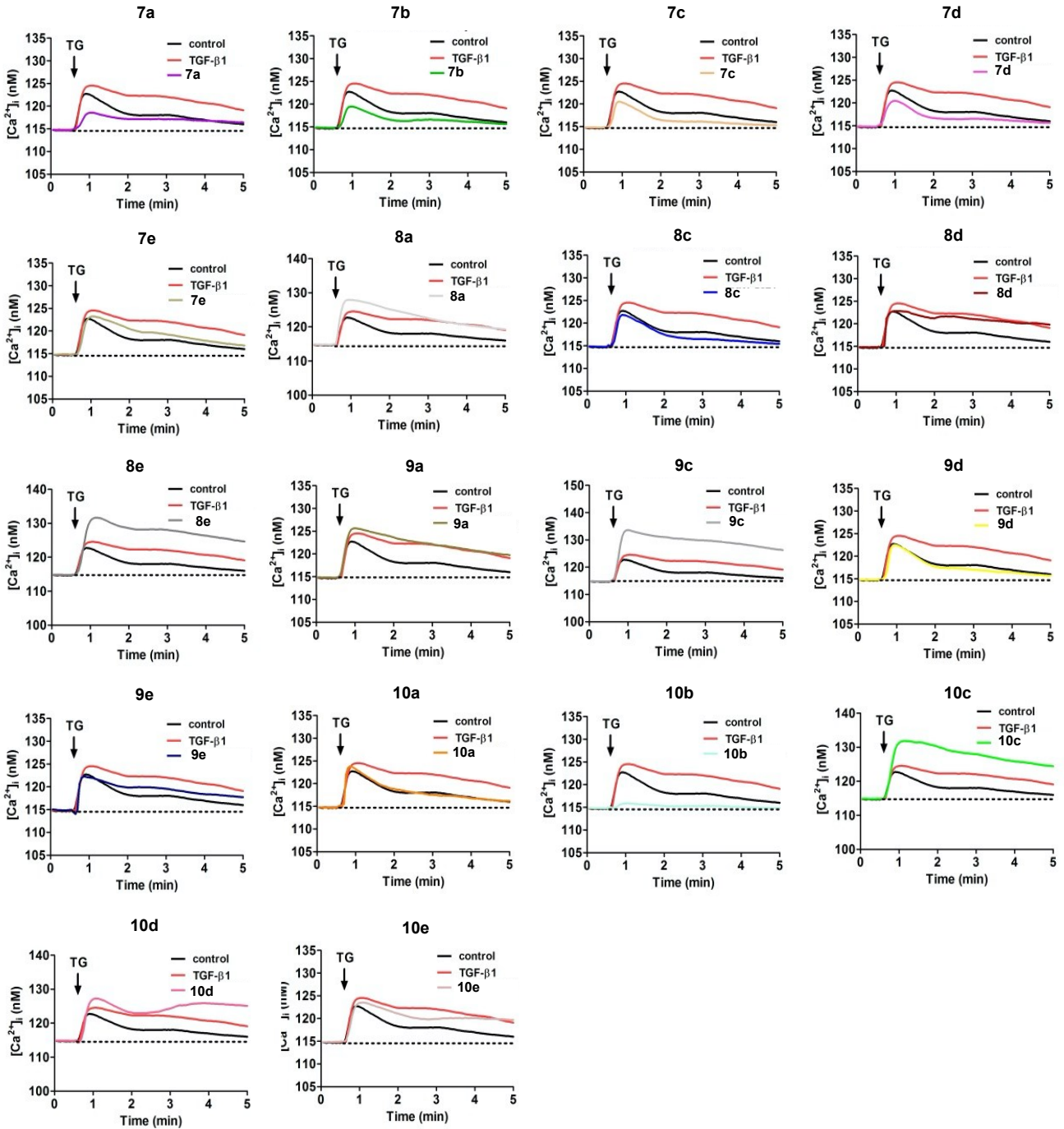


Figure S2. Effect of thalidomide derivatives on SOCE activity in TGF- β 1-induced myfibroblasts. Fibroblasts were treated with TGF- β 1 for 3 days to elicit myfibroblasts [34]. Ca^{2+} imaging analysis of the thapsigargin (TG)-induced Ca^{2+} response after 30 min of pretreatment with each compound in TGF- β 1-induced myfibroblasts. The control group was the Ca^{2+} imaging of fibroblasts (without TGF- β 1 induced).

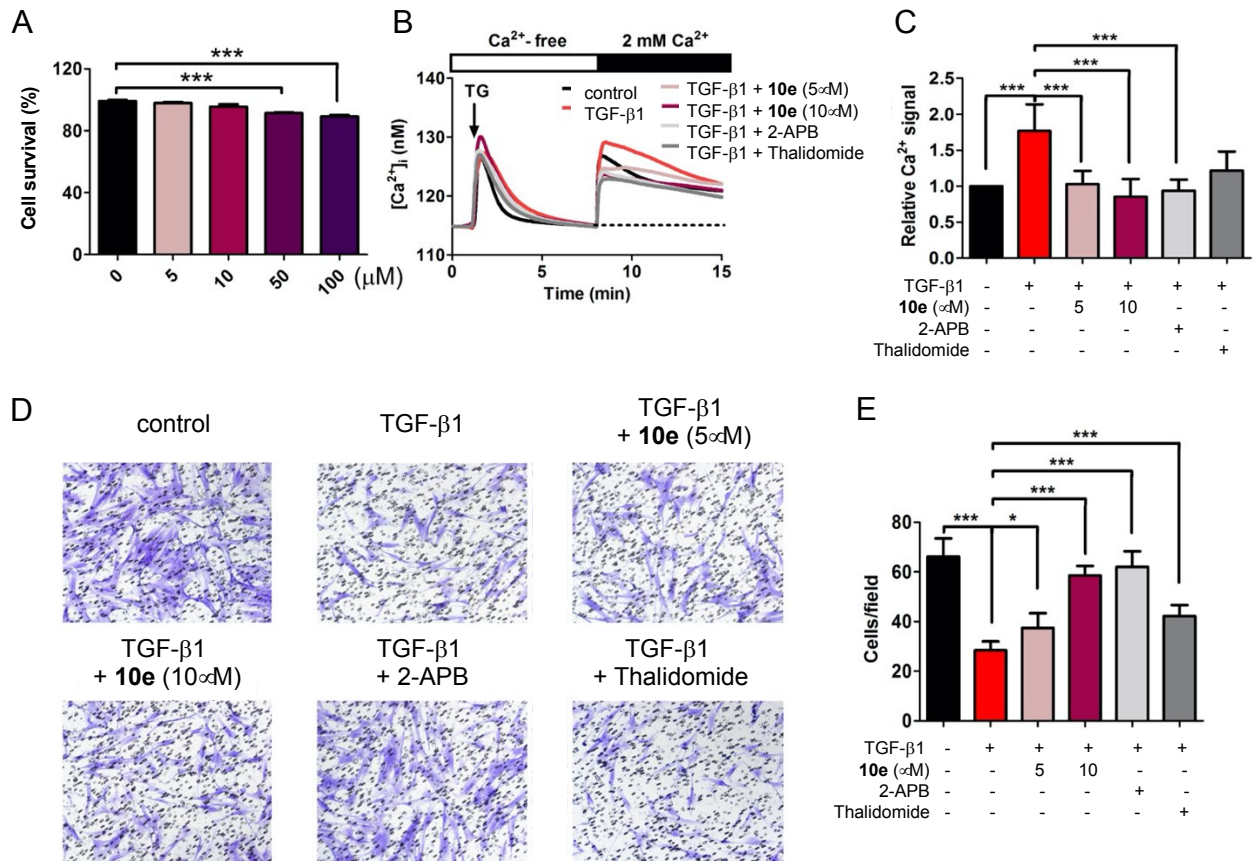
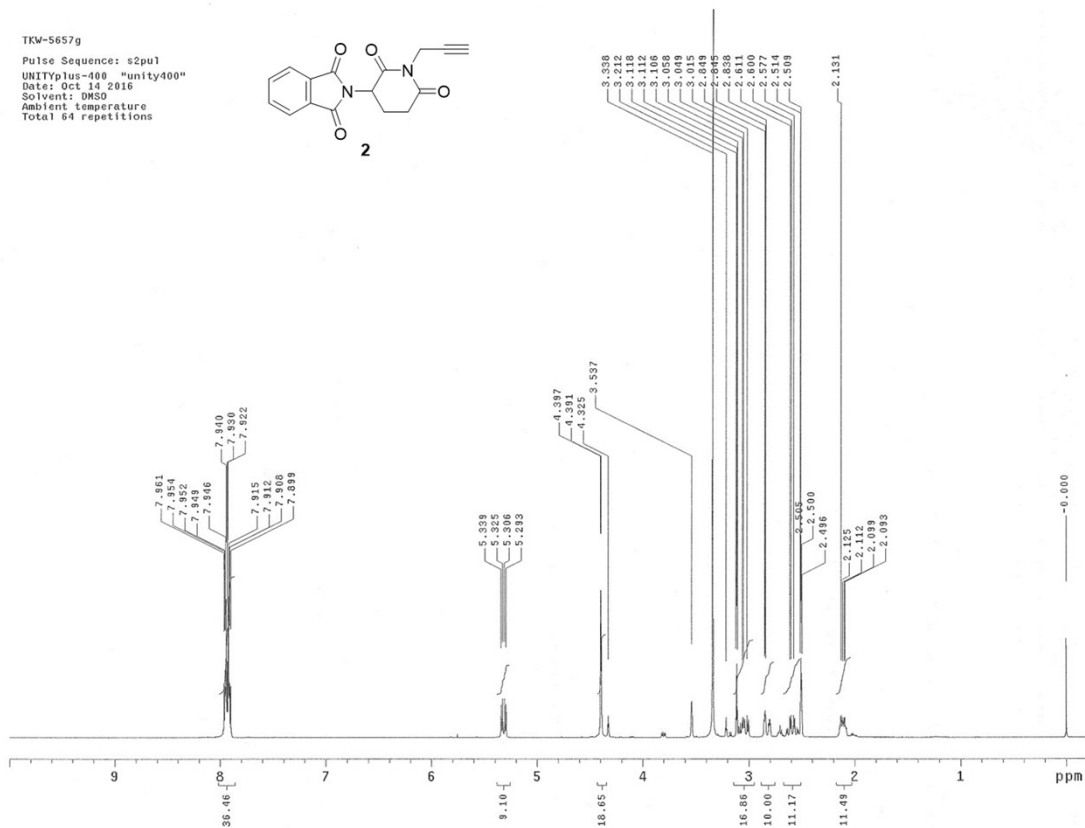
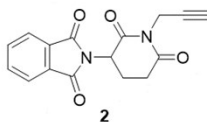


Figure 3 (larger version)

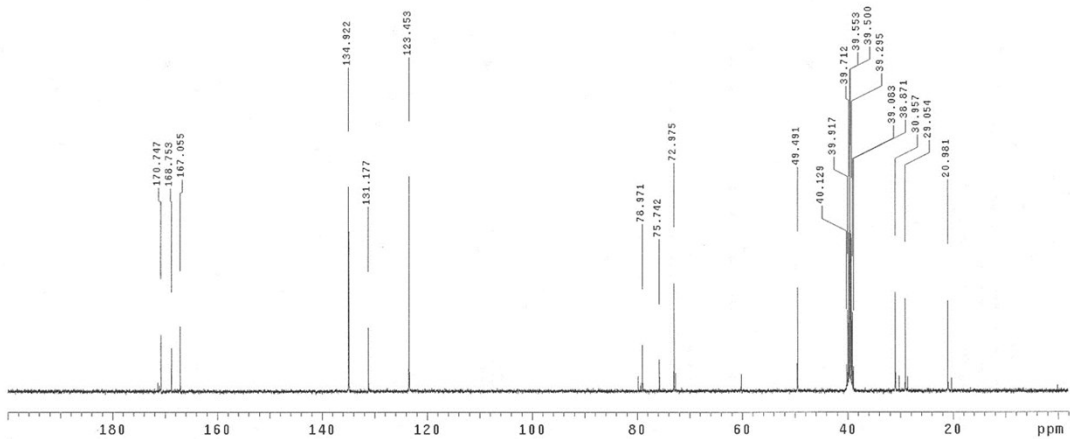
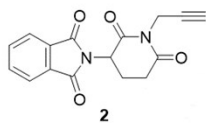
NMR spectra

The integration of one proton was set to 10.

TKW-5657g
Pulse Sequence: s2pu1
UNITYplus-400 "unity400"
Date: Oct 14 2016
Solvent: DMSO
Ambient Temperature
Total 64 repetitions

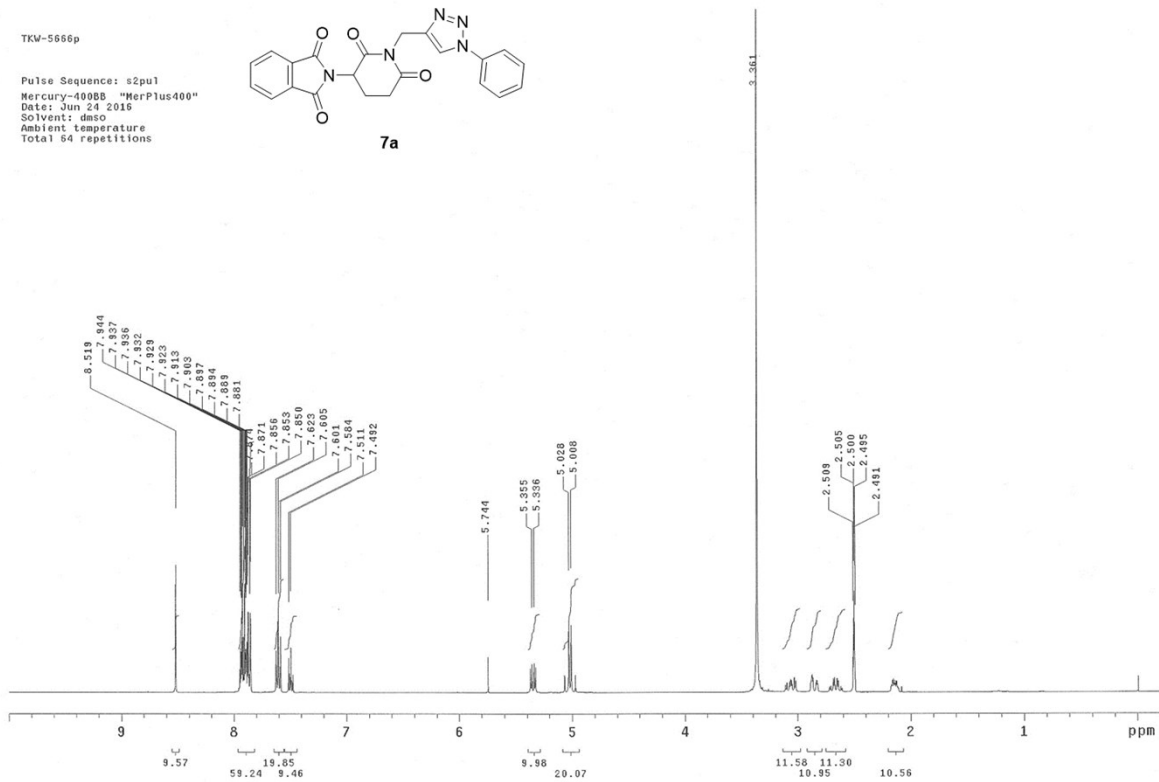
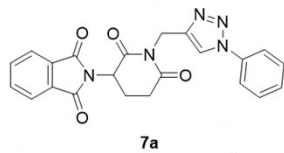


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 Solvent: DMSO
 Ambient temperature
 Total 6336 repetitions



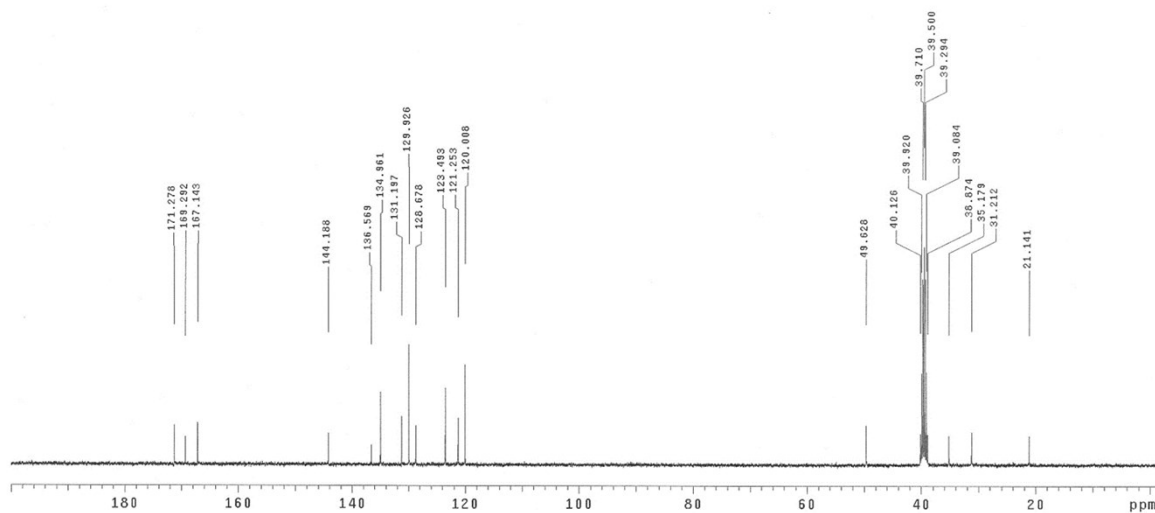
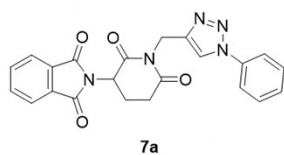
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Pulse Sequence: s2pul
 Mercury-400BB "MerPlus400"
 Date: Jun 24 2016
 Solvent: dmsO
 Ambient temperature
 Total 64 repetitions



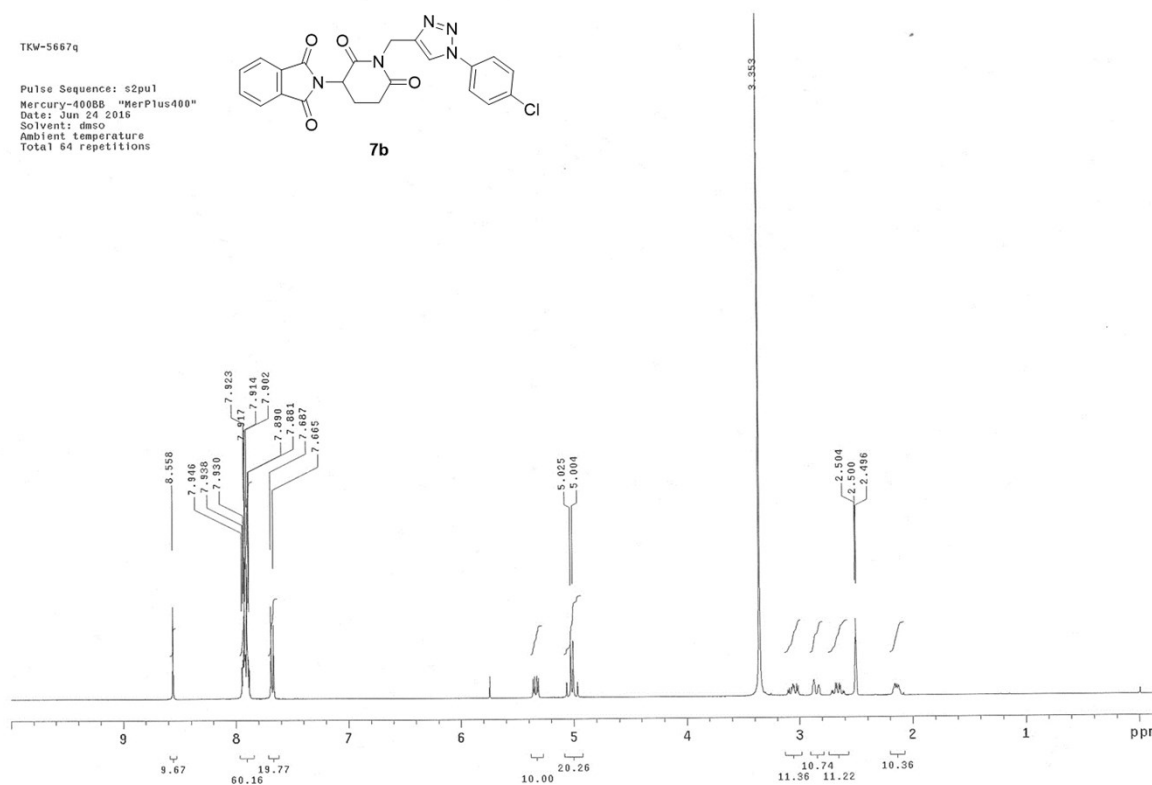
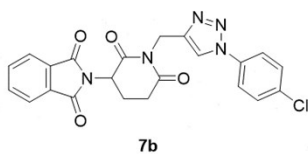
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Solvent: dms
Ambient temperature
Total 912 repetitions



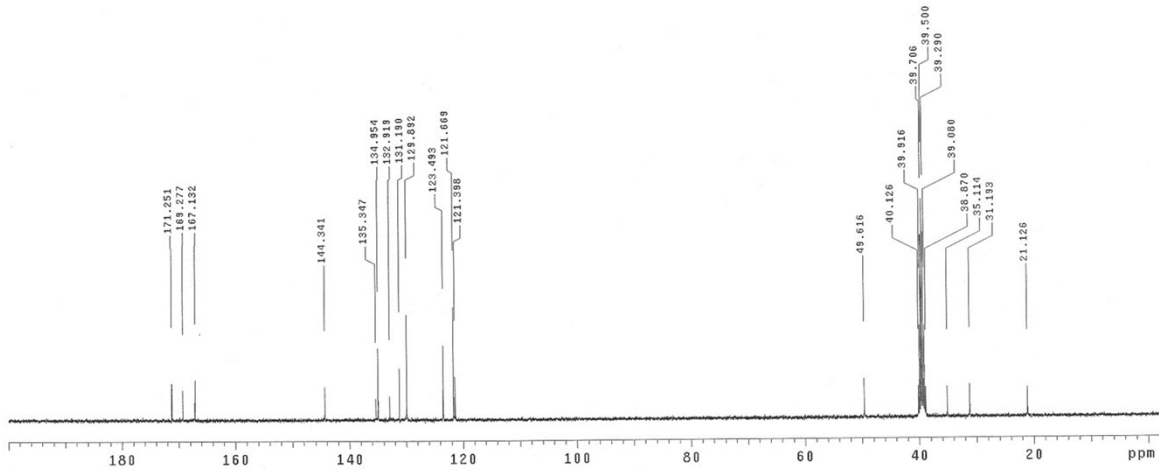
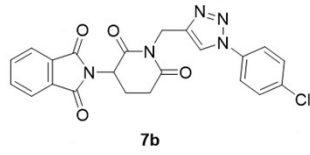
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Date: Jun 24 2016
Solvent: dms
Ambient temperature
Total 64 repetitions



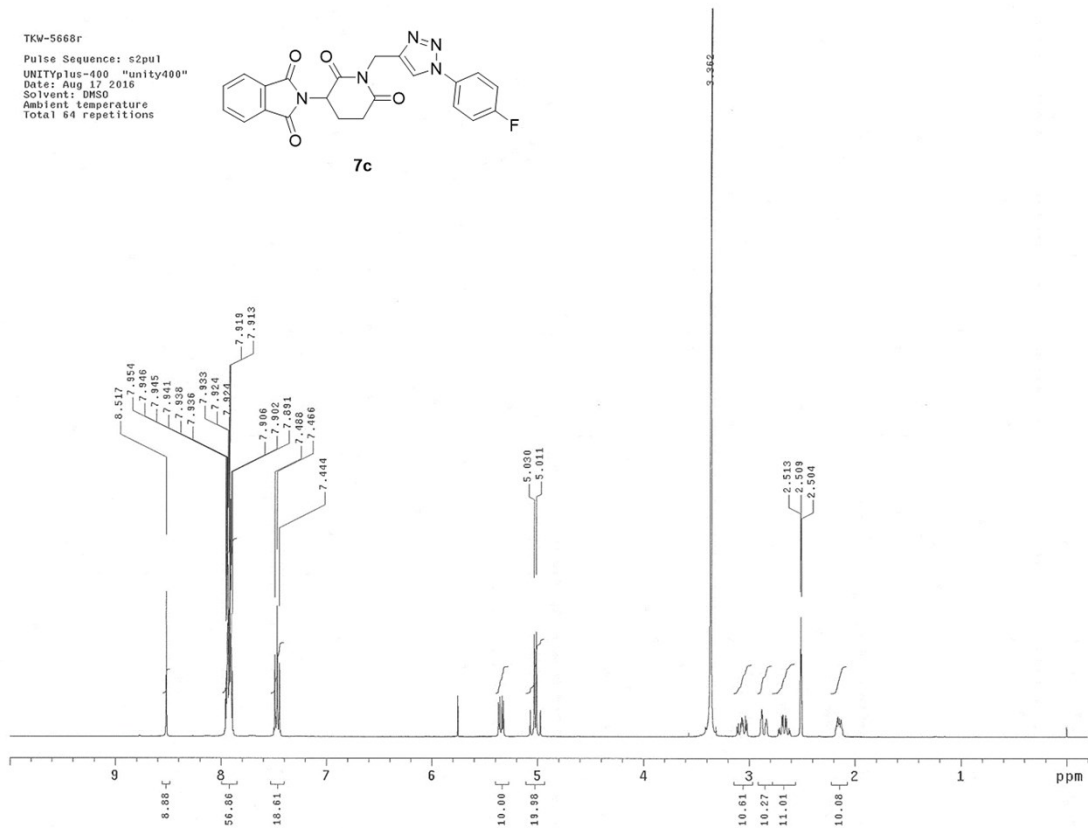
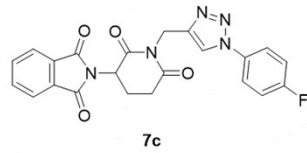
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Solvent: dmsc
Ambient temperature
Total 1056 repetitions

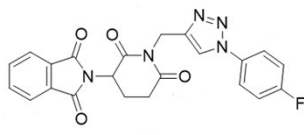


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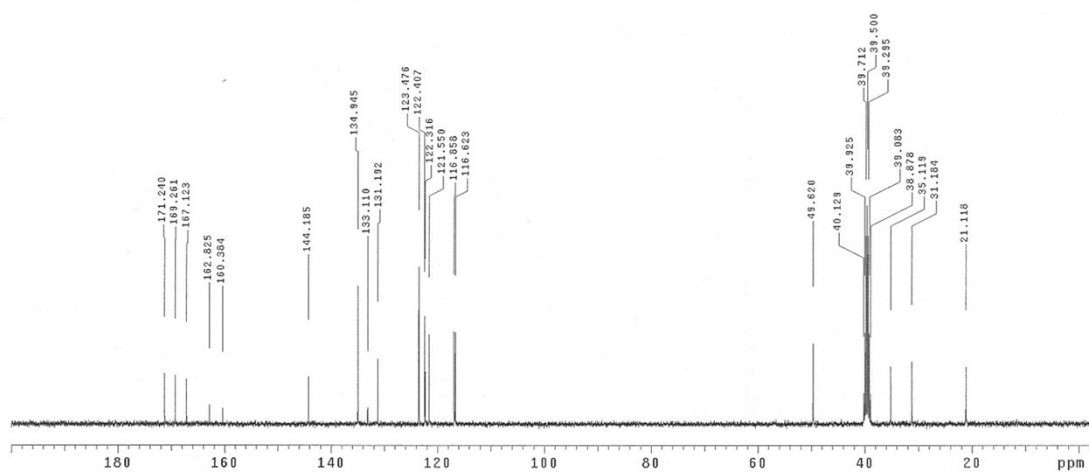
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Date: Aug 17 2016
Solvent: DMSO
Ambient temperature
Total 64 repetitions



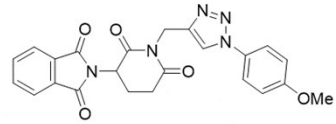
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 Date: Aug 17 2016
 Solvent: DMSO
 Ambient Temperature
 Total 3840 repetitions



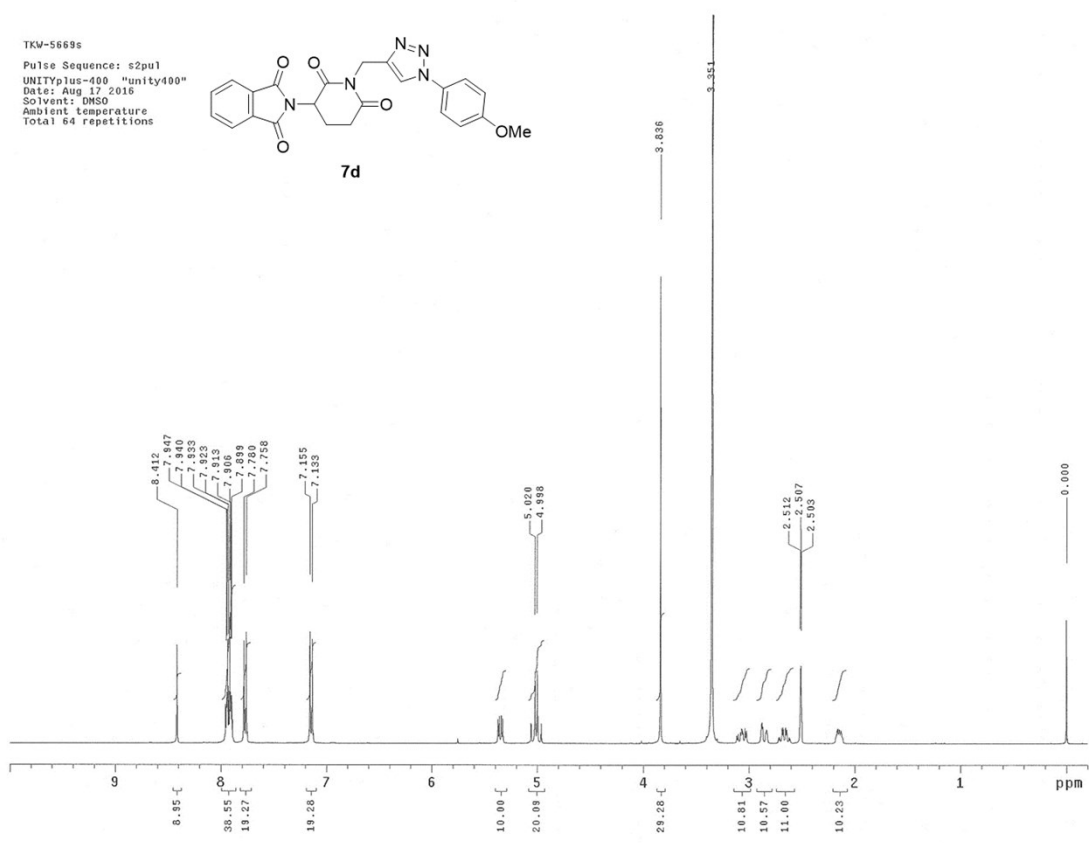
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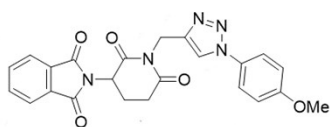
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 Date: Aug 17 2016
 Solvent: DMSO
 Ambient Temperature
 Total 64 repetitions



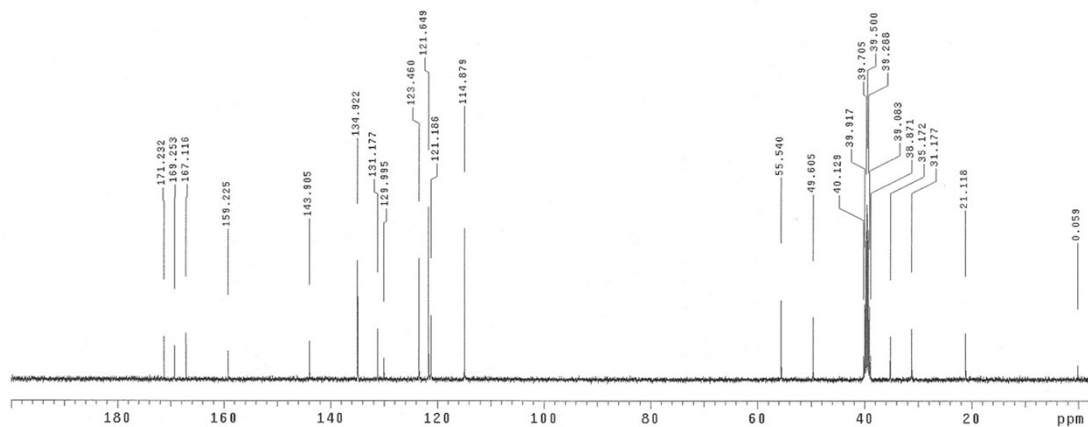
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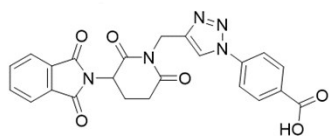
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Date: Aug 17 2018
Solvent: DMSO
Ambient temperature
Total 3440 repetitions



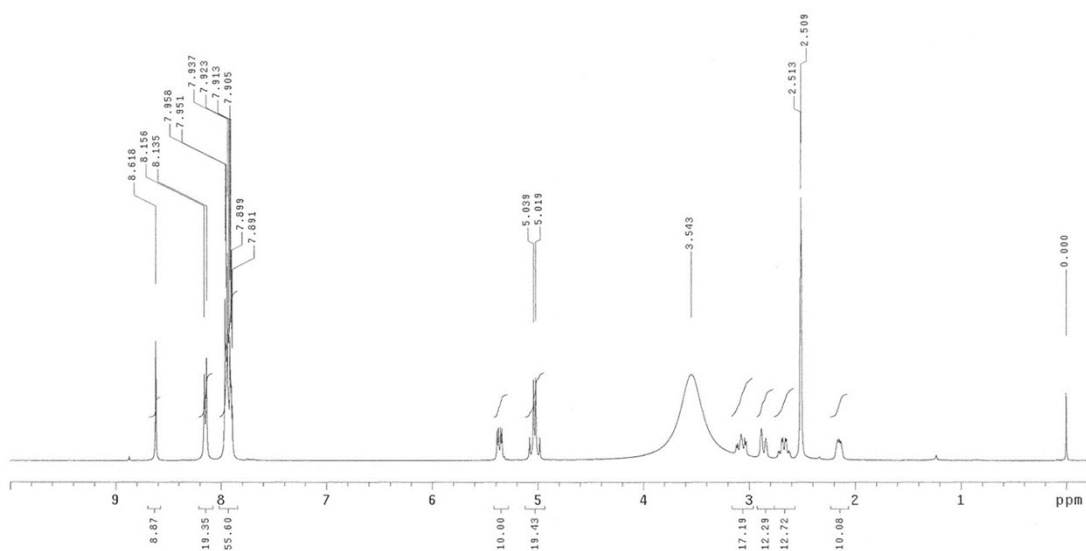
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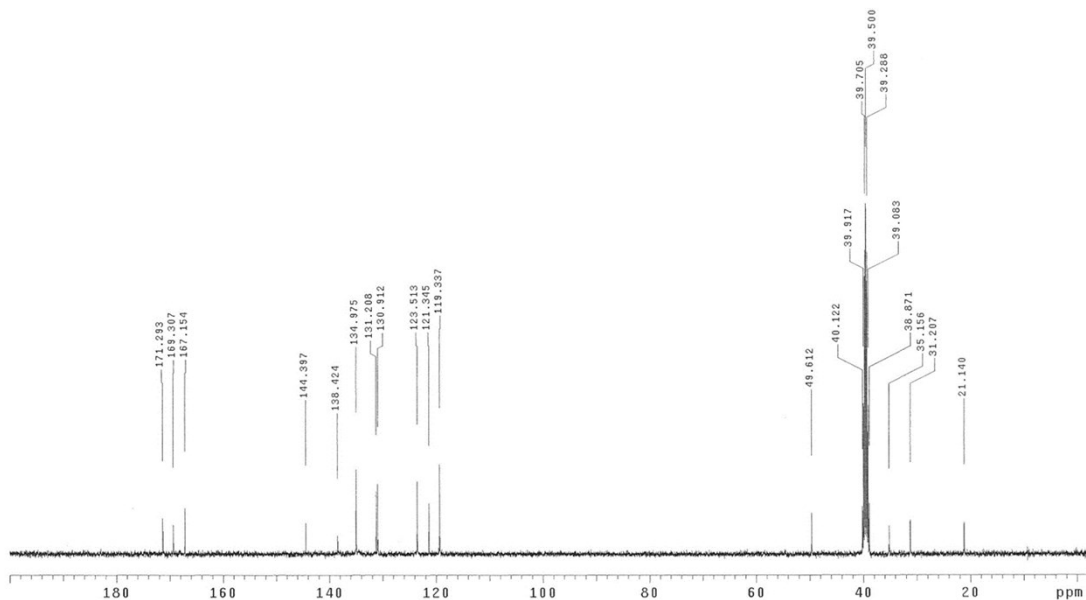
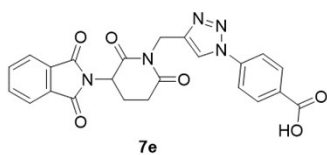
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Date: Oct 24 2018
Solvent: DMSO
Ambient temperature
Total 80 repetitions



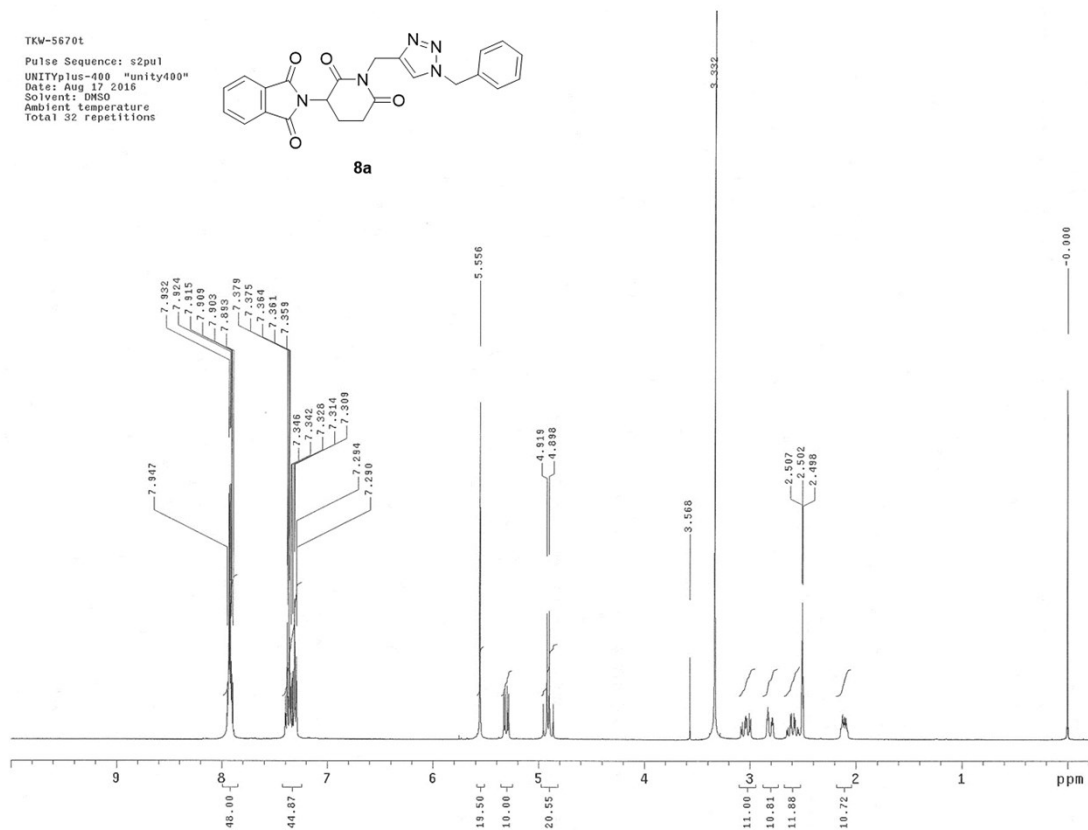
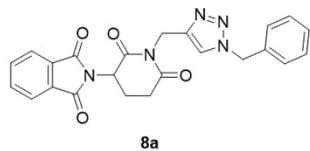
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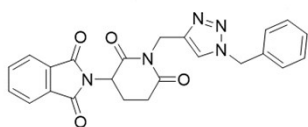
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 Solvent: DMSO
 Ambient temperature
 Total 5392 repetitions



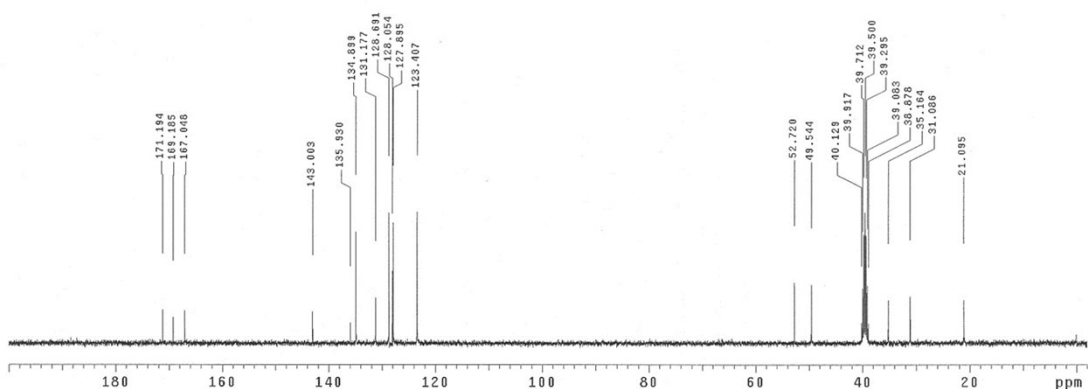
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 Solvent: DMSO
 Ambient temperature
 Total 32 repetitions



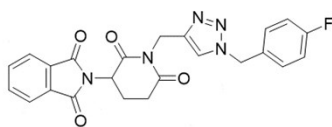
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 Ambient temperature
 Total 1664 repetitions



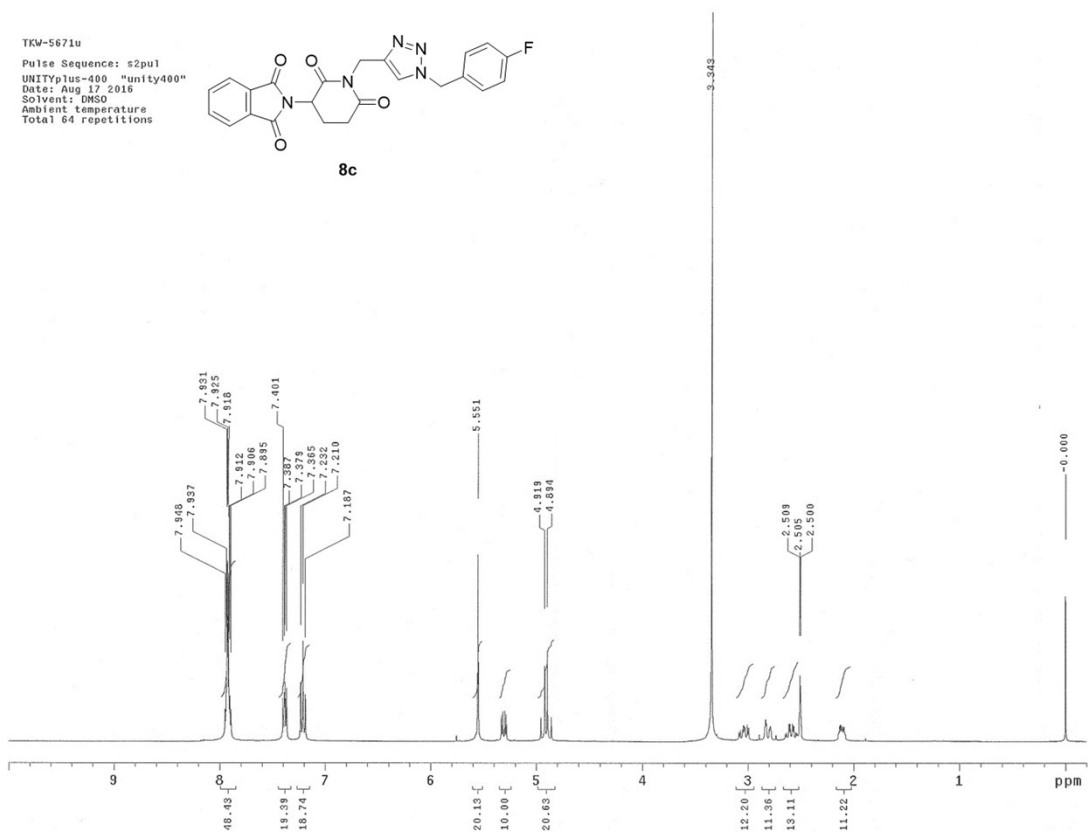
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 Solvent: DMSO
 Ambient temperature
 Total 64 repetitions

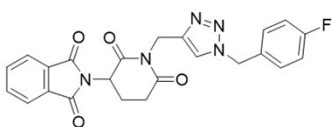


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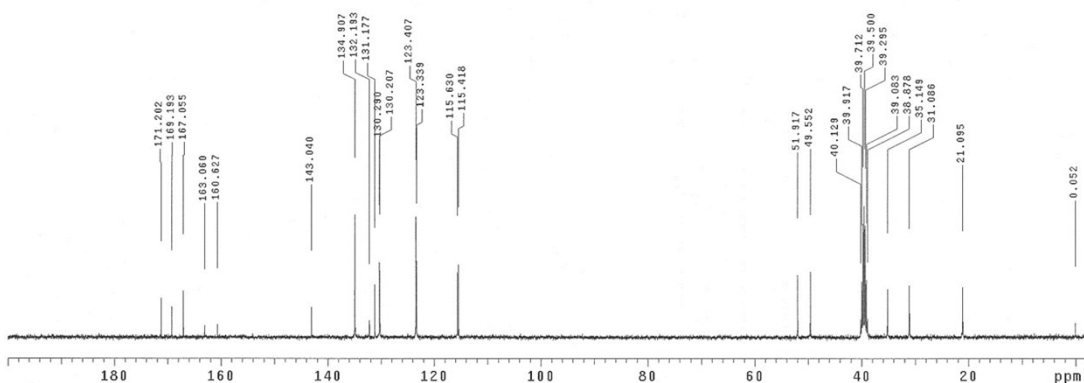


TKW-5671u

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UNITYplus-400 "unity400"
Date: Aug 17 2016
Solvent: DMSO
Ambient temperature
Total 4112 repetitions

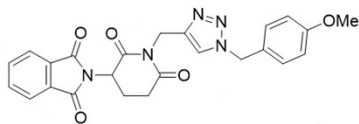


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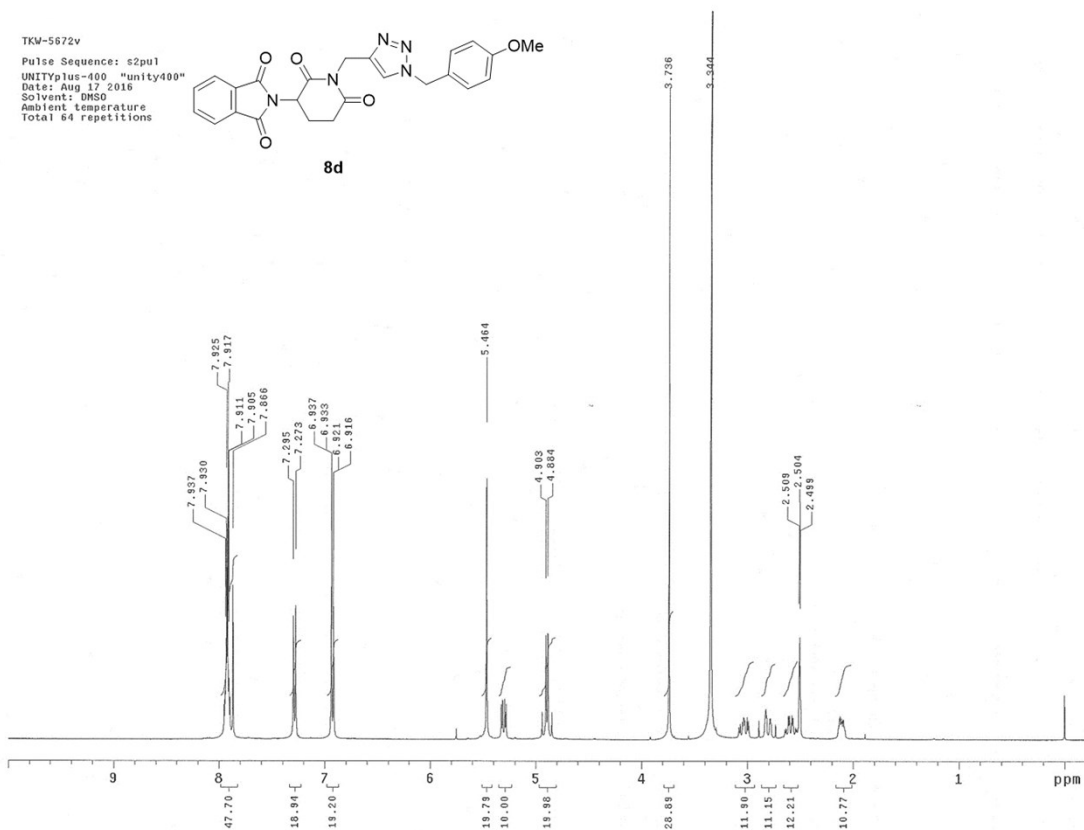


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Date: Aug 17 2016
Solvent: DMSO
Ambient temperature
Total 64 repetitions

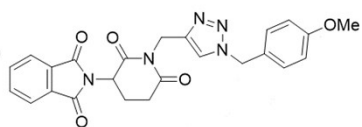


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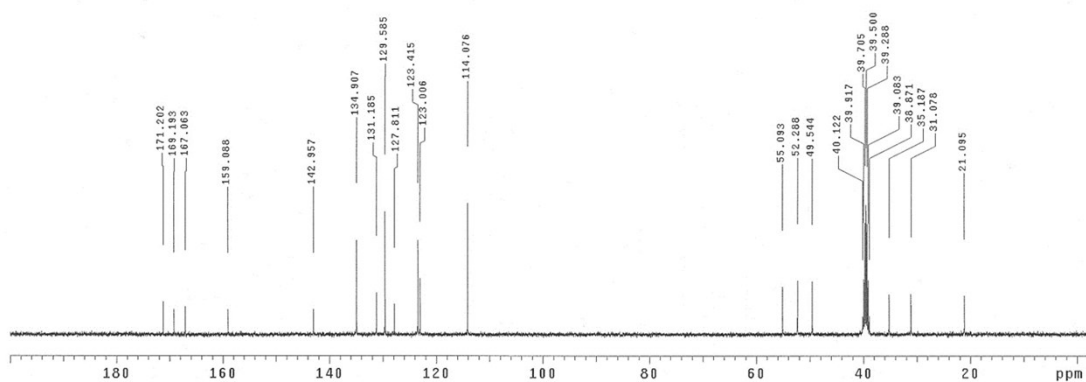


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Date: Aug 17 2016
Solvent: DMSO
Ambient temperature
Total 3248 repetitions

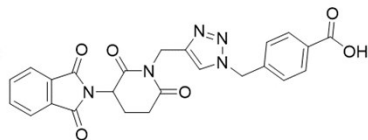


8d

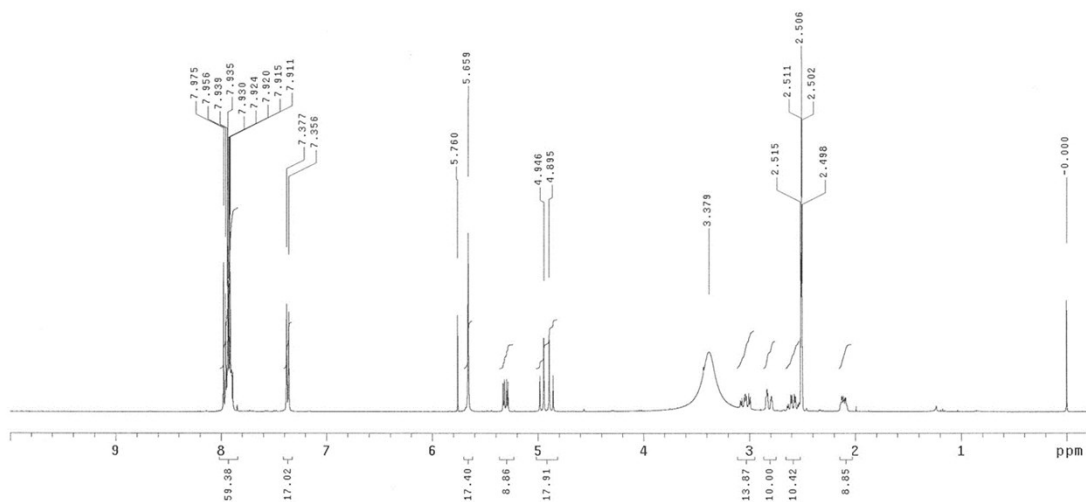


TKW-6151a

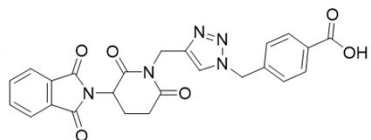
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Date: Oct 25 2018
Solvent: DMSO
Ambient temperature
Total 32 repetitions



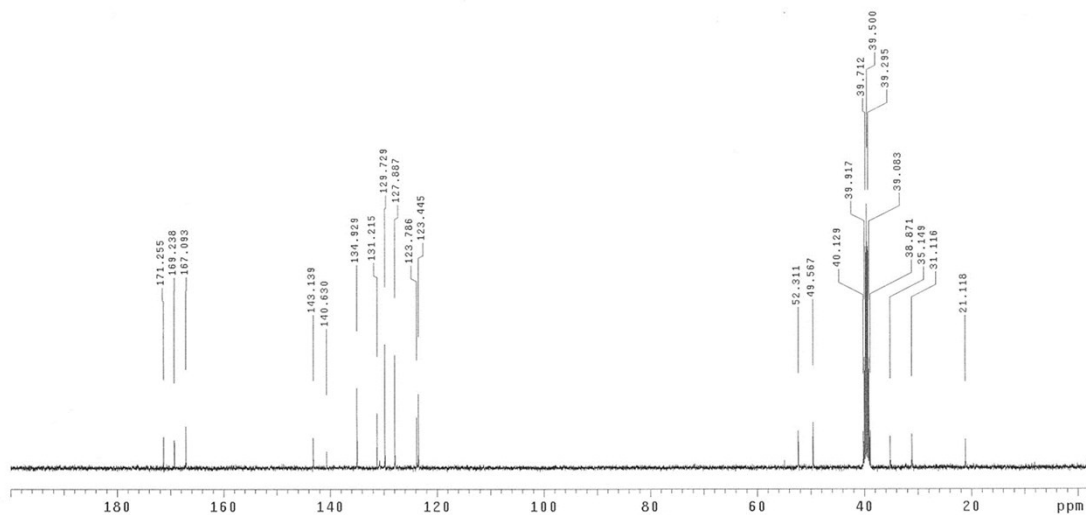
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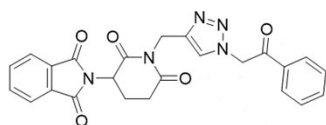
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Solvent: DMSO
Ambient temperature
Total 3056 repetitions



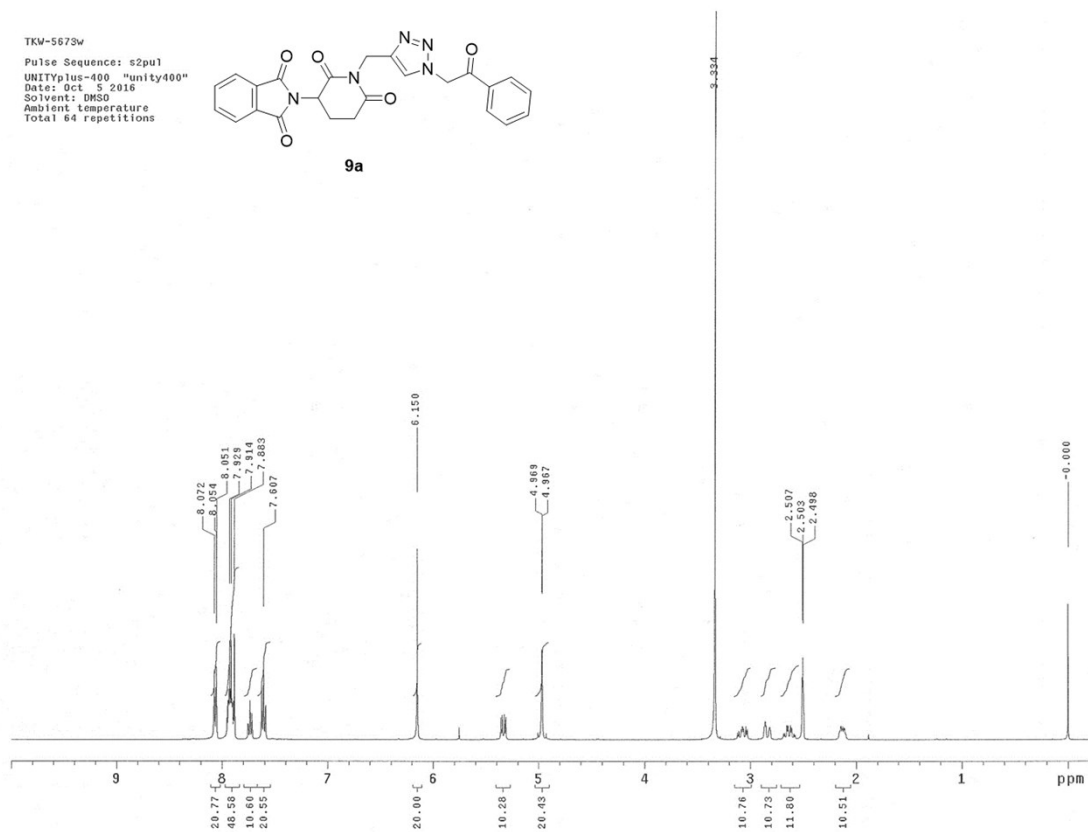
8e



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Solvent: DMSO
Ambient temperature
Total 64 repetitions

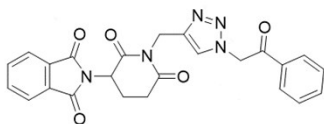


9a

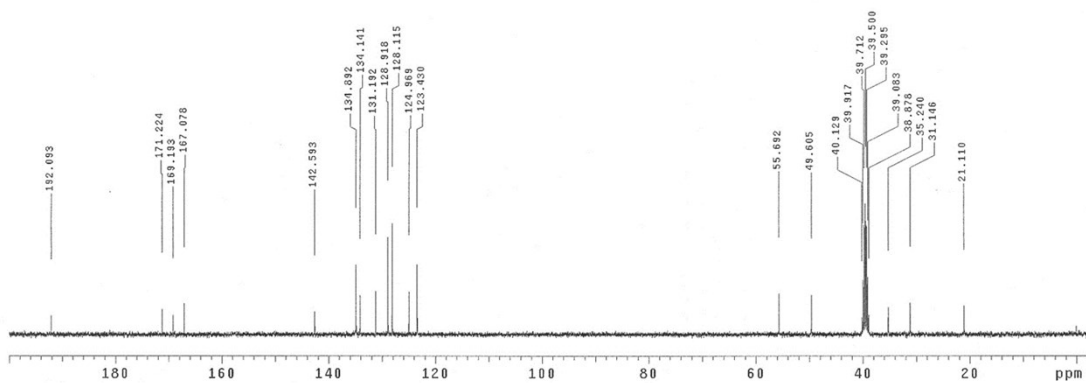


TKW-5673w

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Date: Oct 5 2016
Solvent: DMSO
Ambient temperature
Total 2016 repetitions

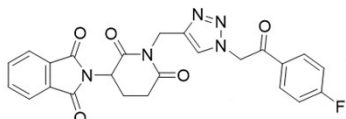


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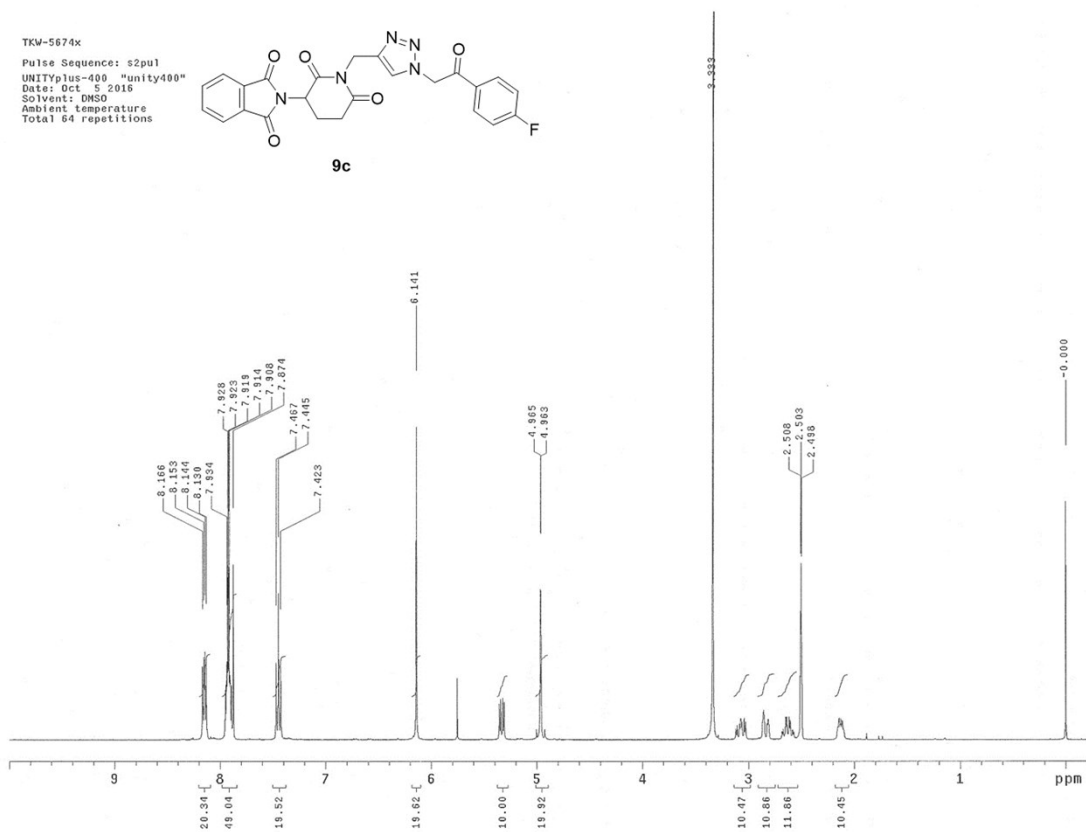


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Ambient temperature
Total 64 repetitions

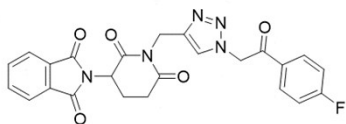


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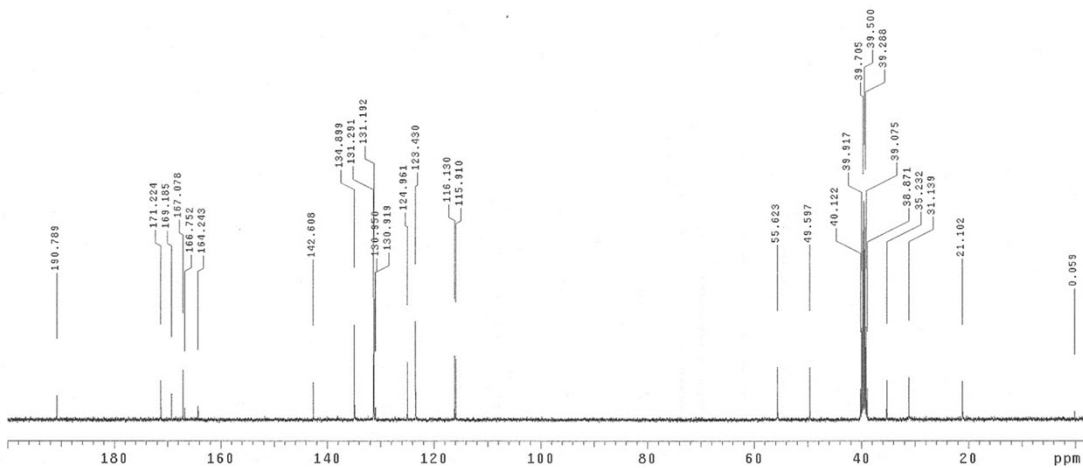


TKV-5674x

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Date: Oct 5 2016
Solvent: DMSO
Ambient temperature
Total 7216 repetitions

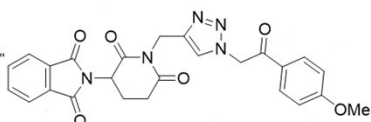


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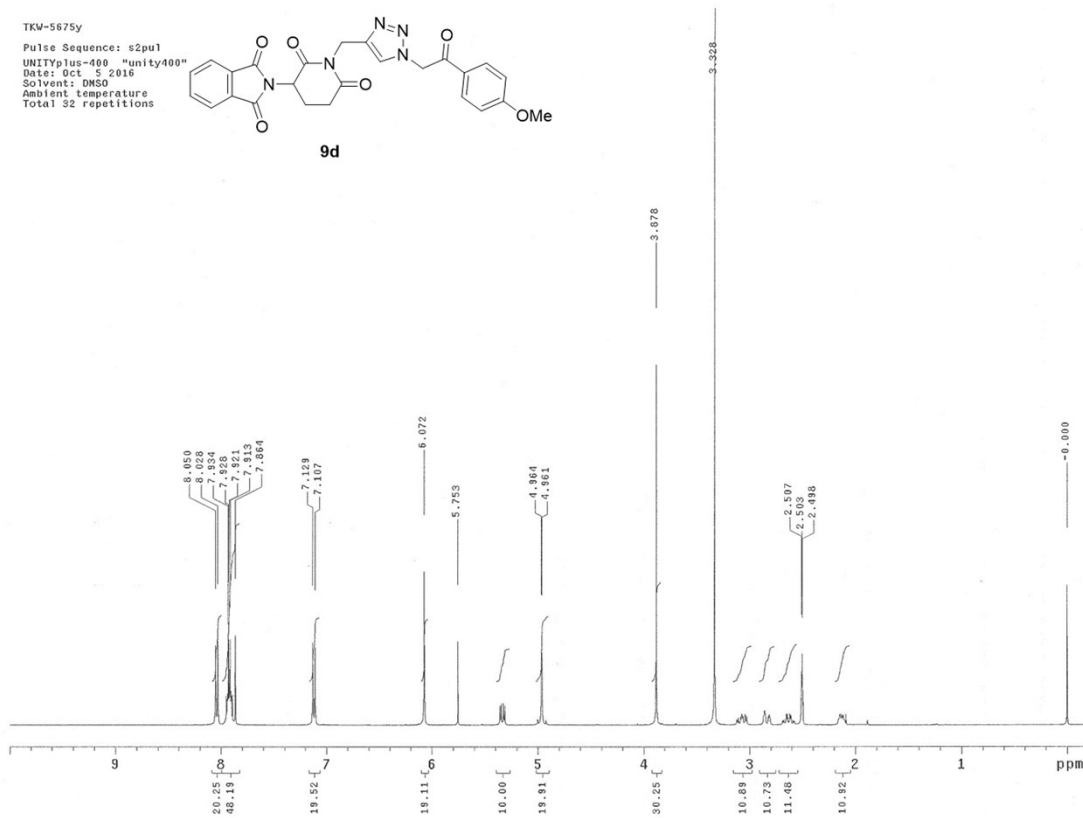


TKV-5675y

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Solvent: DMSO
Ambient temperature
Total 32 repetitions

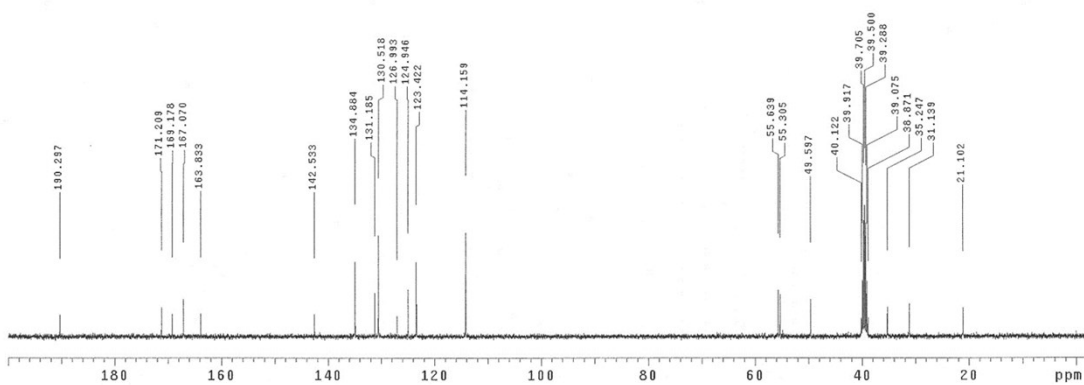
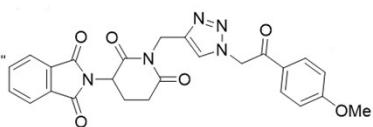


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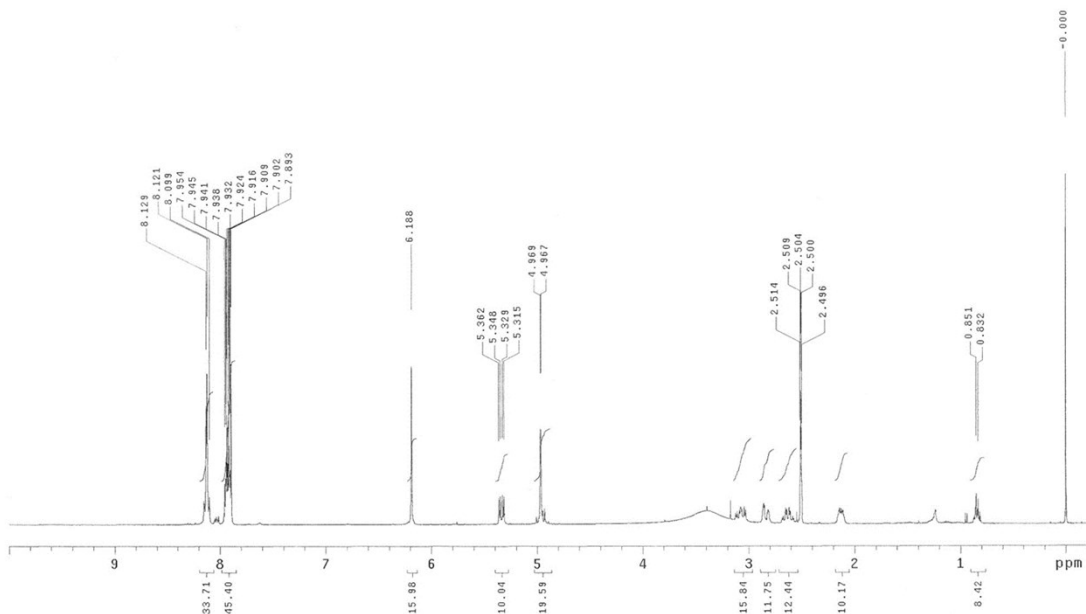
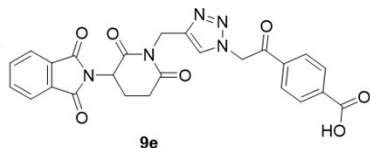
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Date: Oct 5 2016
Solvent: DMSO
Ambient temperature
Total 2048 repetitions



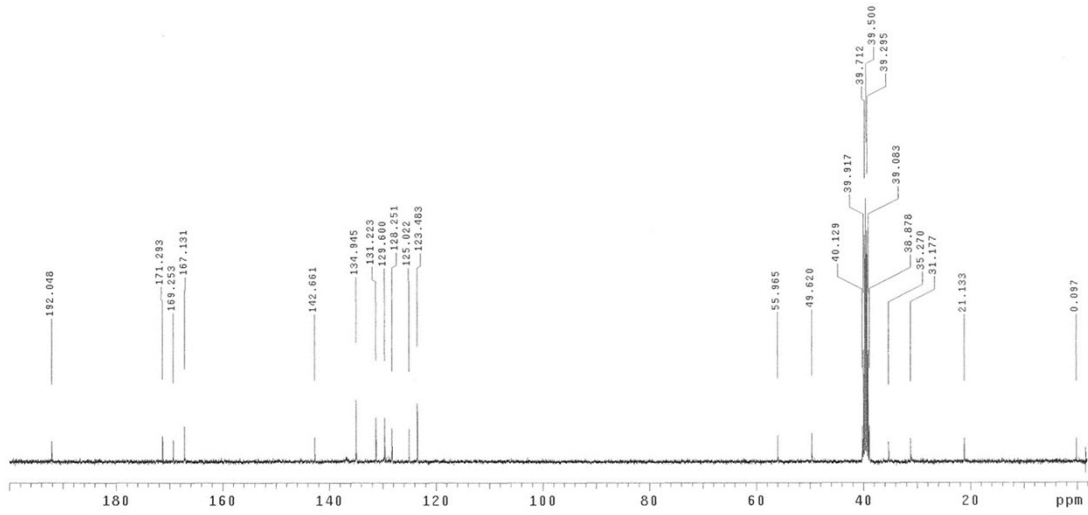
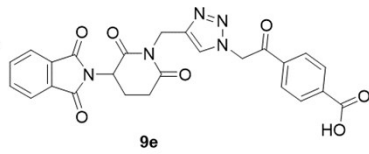
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Solvent: DMSO
Ambient temperature
Total 64 repetitions



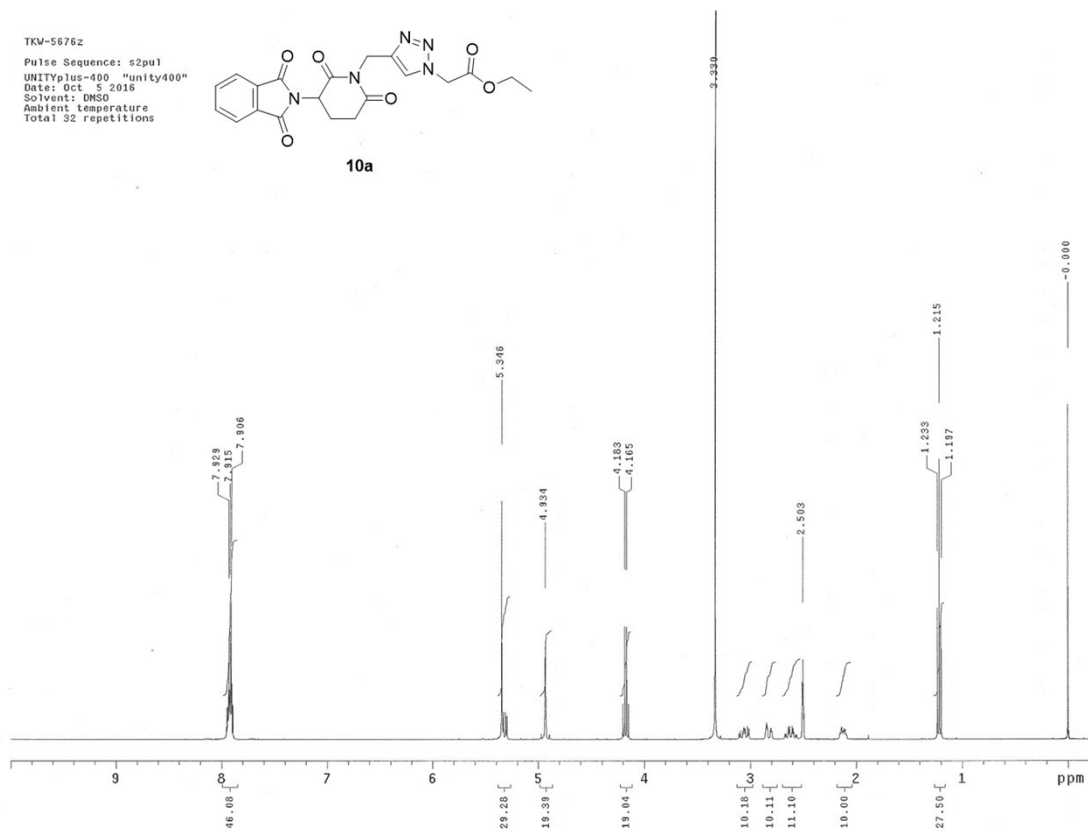
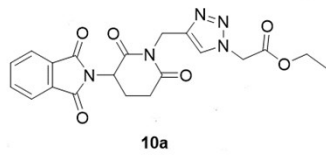
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Solvent: DMSO
Ambient temperature
Total 4656 repetitions



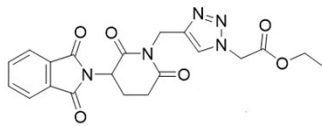
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Date: Oct 5 2016
Solvent: DMSO
Ambient temperature
Total 32 repetitions

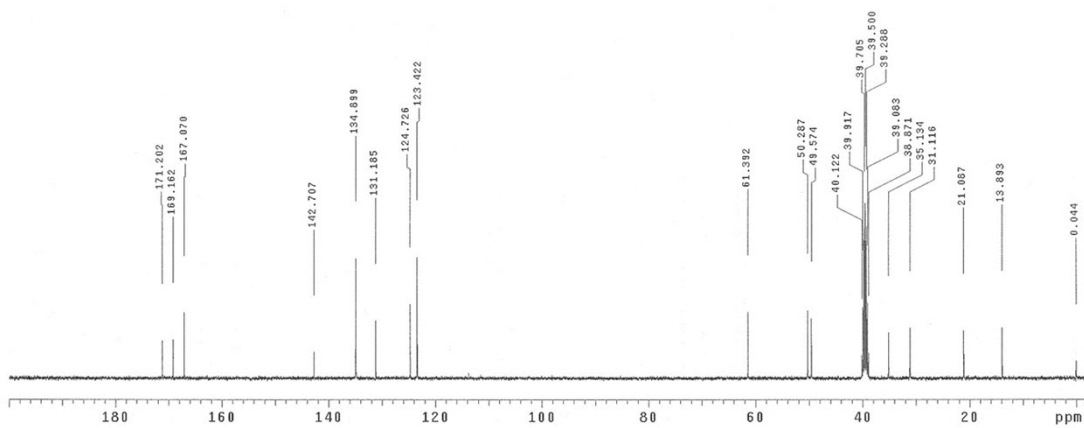


TKW-5676z

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Solvent: DMSO
Ambient temperature
Total 5752 repetitions

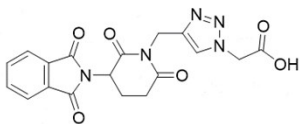


10a

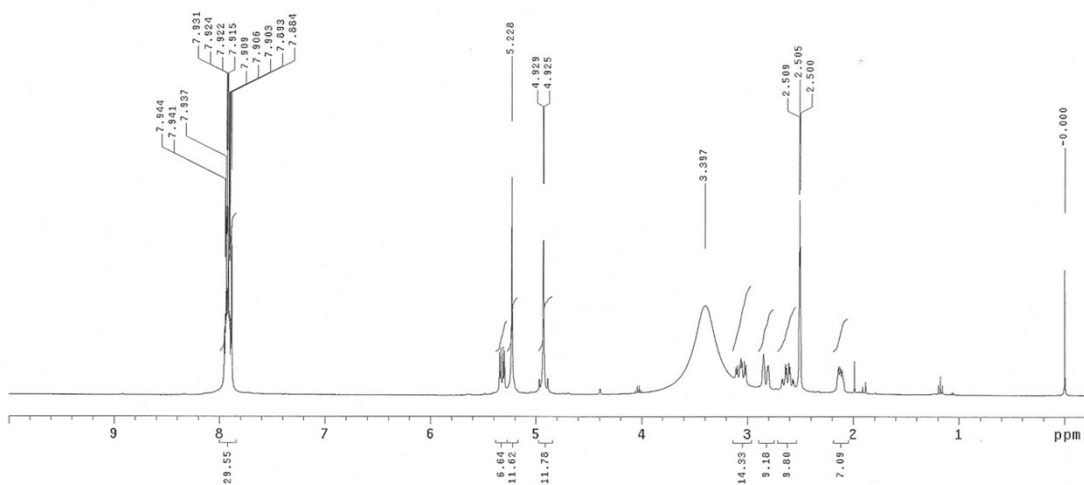


TKW-5677a

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Date: Aug 25 2016
Solvent: DMSO
Ambient temperature
Total 256 repetitions

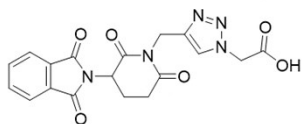


10b

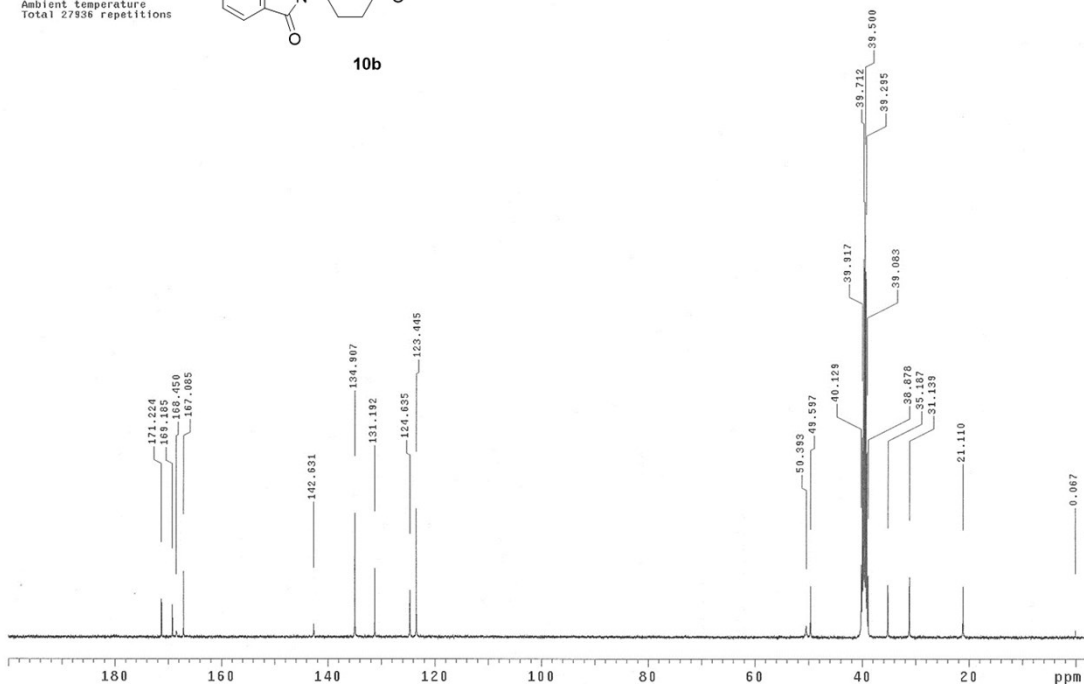


TKW-5677a

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Date: Aug 25 2016
Solvent: DMSO
Ambient temperature
Total 27936 repetitions

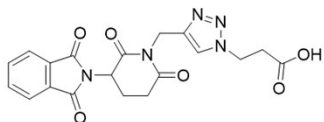


10b

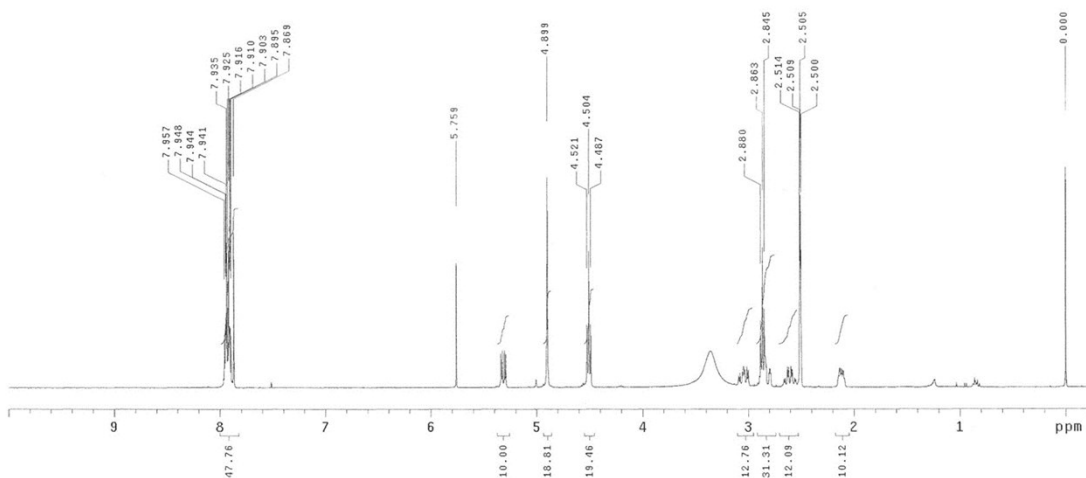


TKW-6154d

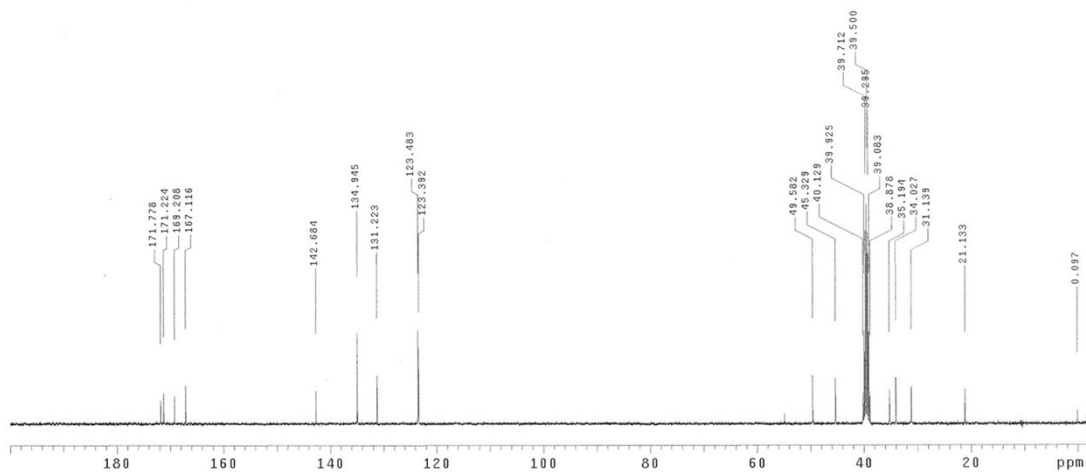
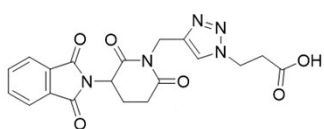
Pulse Sequence: s2pul
UNITYplus-400 "unity400"
Date: Jan 10 2019
Solvent: DMSO
Ambient temperature
Total 32 repetitions



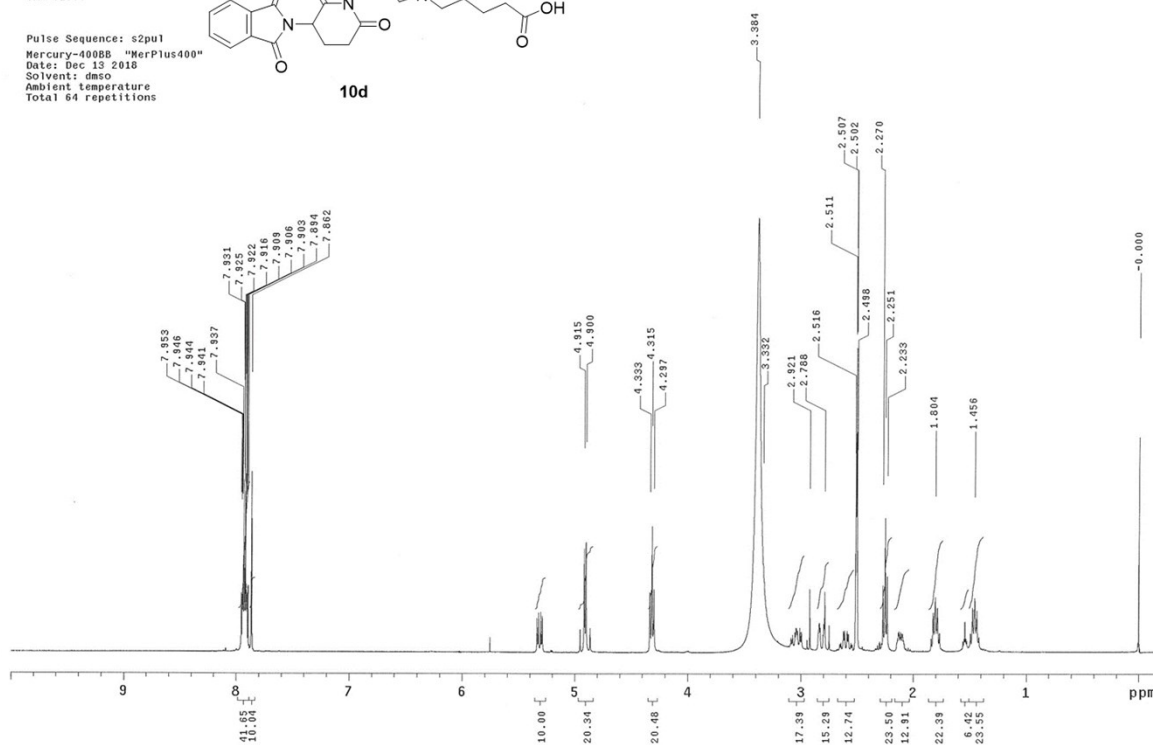
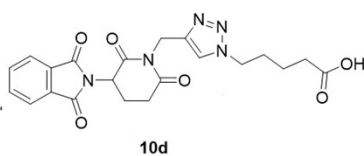
10c



TKW-6154d
Pulse Sequence: s2pu1
UNITYplus-400 "unity400"
Date: Jan 10 2019
Solvent: DMSO
Ambient temperature
Total 6080 repetitions

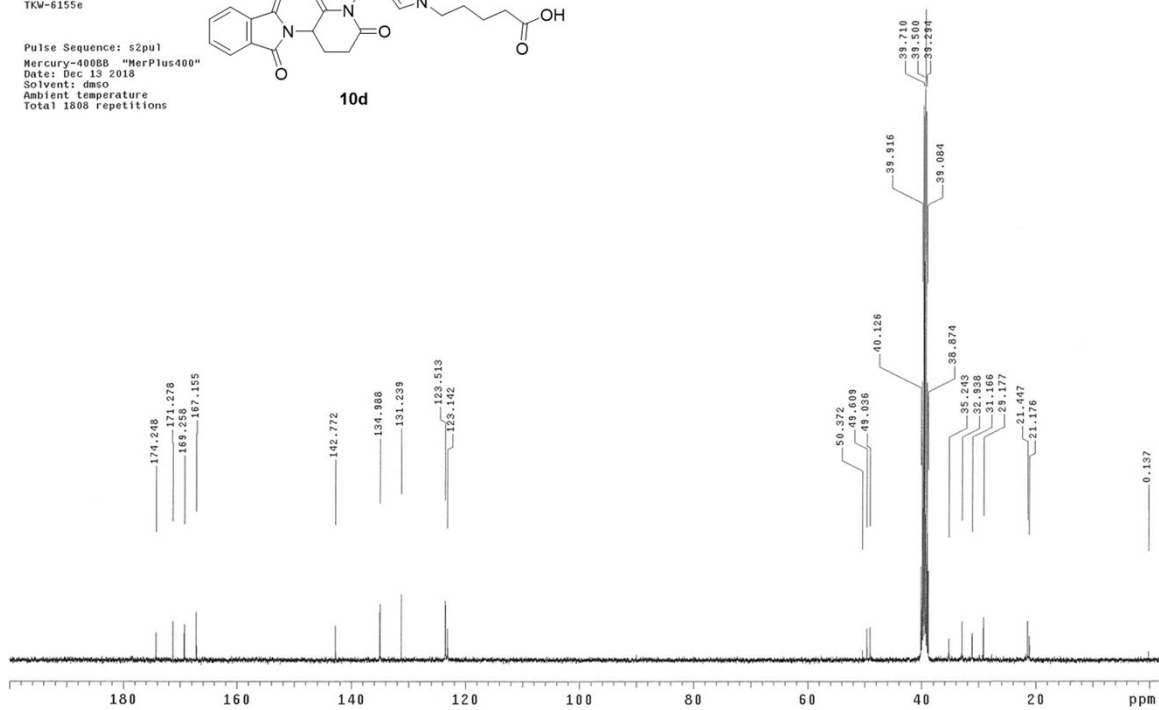
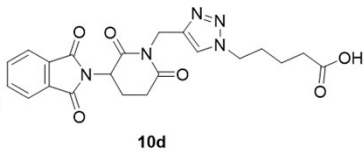


TKW-6155e
Pulse Sequence: s2pu1
Mercury-400BB "MerPlus400"
Date: Dec 13 2018
Solvent: dms0
Ambient temperature
Total 64 repetitions



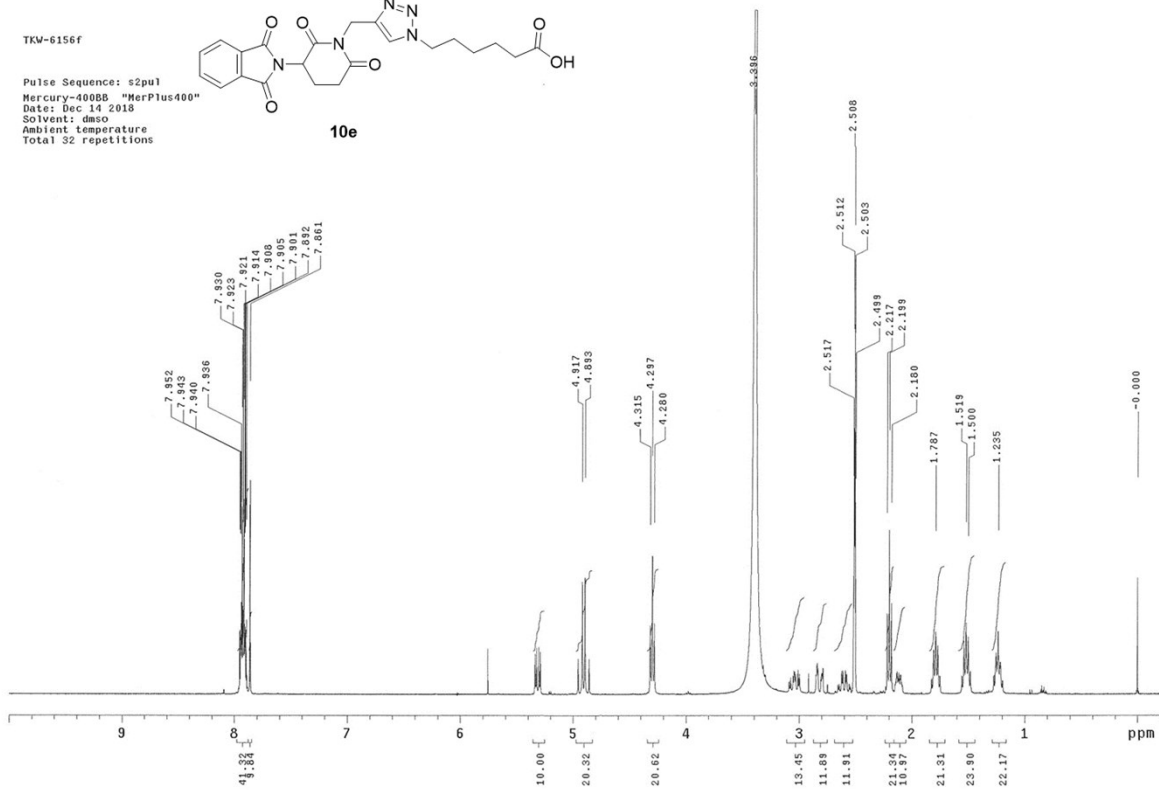
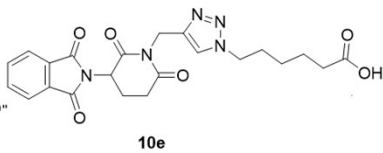
TKW-6155e

Pulse Sequence: s2pu1
Mercury-400BB "MerPlus400"
Date: Dec 13 2018
Solvent: dms0
Ambient temperature
Total 1868 repetitions



TKW-6156f

Pulse Sequence: s2pu1
Mercury-400BB "MerPlus400"
Date: Dec 14 2018
Solvent: dms0
Ambient temperature
Total 32 repetitions



TKW-6156f

Pulse Sequence: s2pu1
Mercury-40088 "MerPlus400"
Date: Dec 14 2018
Solvent: dms
Ambient temperature
Total 7040 repetitions

