

Name:	(S)-Naproxen acyl-β-D-glucuronide
Lot#:	GR-15-187
Test Date:	02/03/2024 (re-test date: 02/03/2029)
CAS No.:	41945-43-1
MF:	C ₂₀ H ₂₂ O ₉
MW:	406.38
Appearance:	White solid
Purity:	99.8% by HPLC (average of two sample preparations, sum of alpha- and beta-anomers)
¹H-NMR:	Conforms (contains 1.5% ACN)
MS-ESI (-)	Conforms (shows peak at m/z = 405.12 [M-H] ⁻)
Storage	Long term store at -20° C in a dry place away from direct sunlight

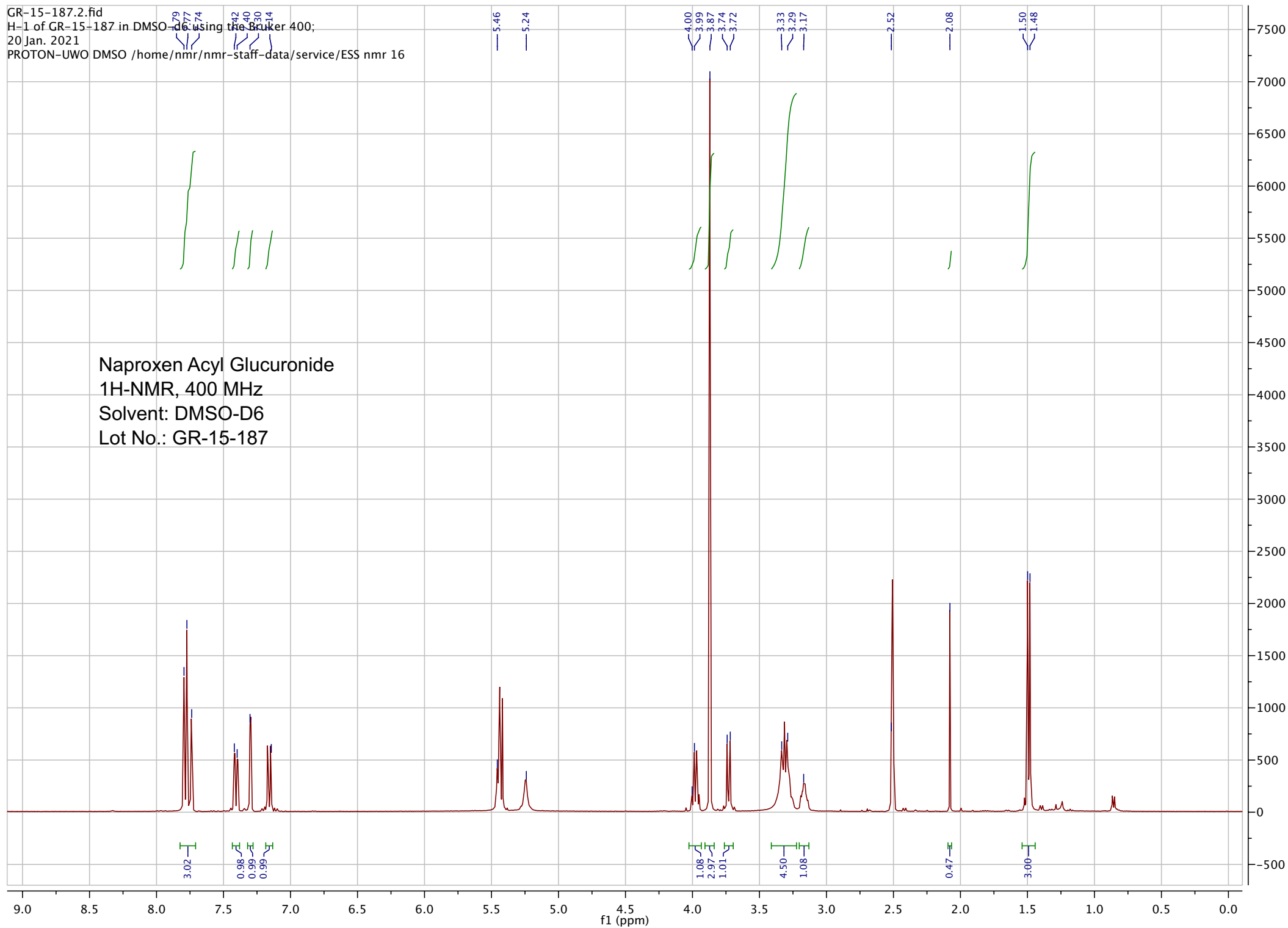
Approved by:

Date: 02/03/2024

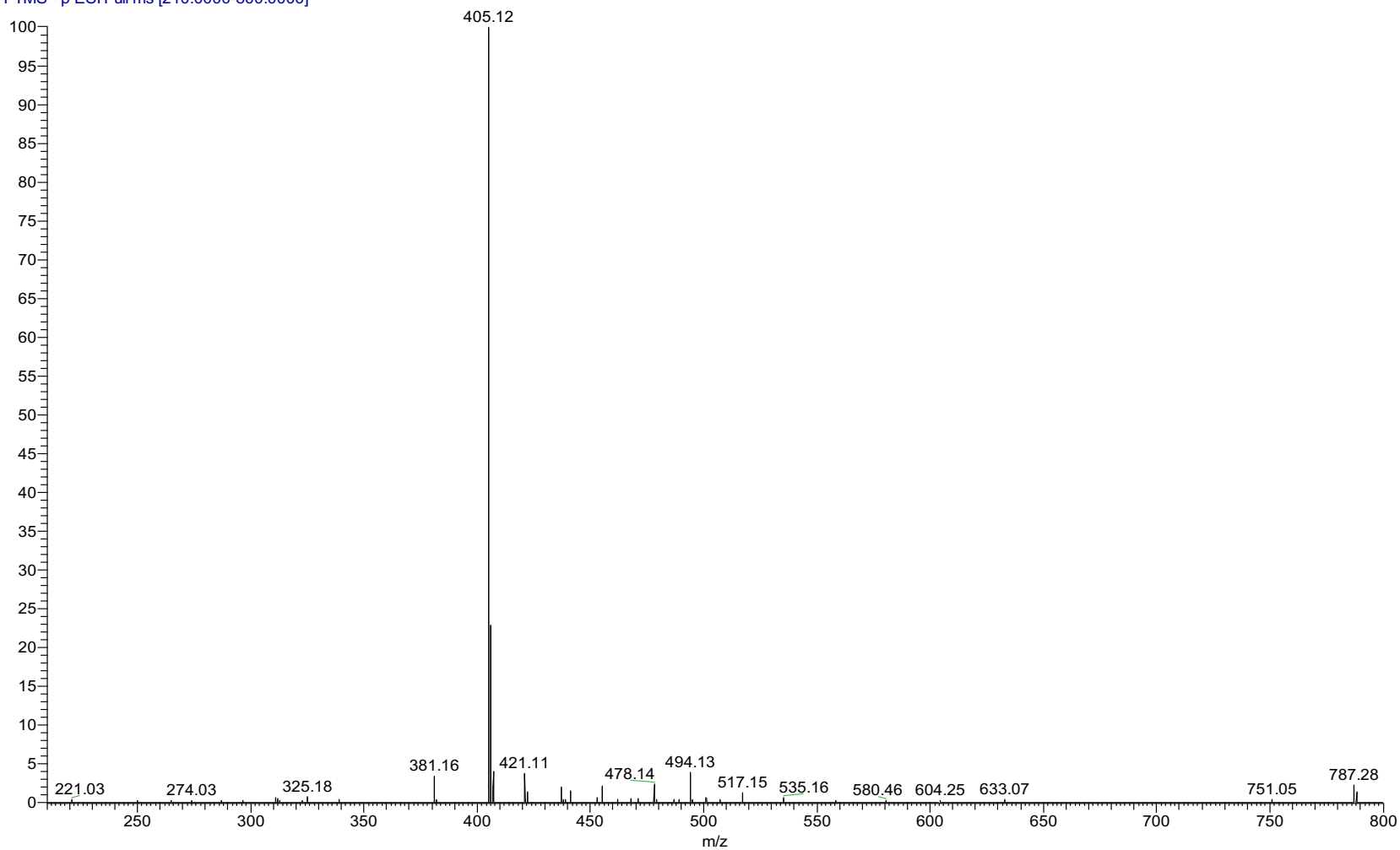
Viorica Rusu, QC/QA Manager

GR-15-187.2.fid
H-1 of GR-15-187 in DMSO-d6 using the Bruker 400;
20 Jan. 2021
PROTON-UWO DMSO /home/nmr/nmr-staff-data/service/ESS nmr 16

Naproxen Acyl Glucuronide
1H-NMR, 400 MHz
Solvent: DMSO-D6
Lot No.: GR-15-187



pp_2021_002_GR_15_187_1 #530 RT: 1.19 AV: 1 NL: 1.19E8
T: FTMS - p ESI Full ms [210.0000-800.0000]



ESI-MS spectrum for sample GR-15-187. Shows monoisotopic [M-H]⁻ mass.

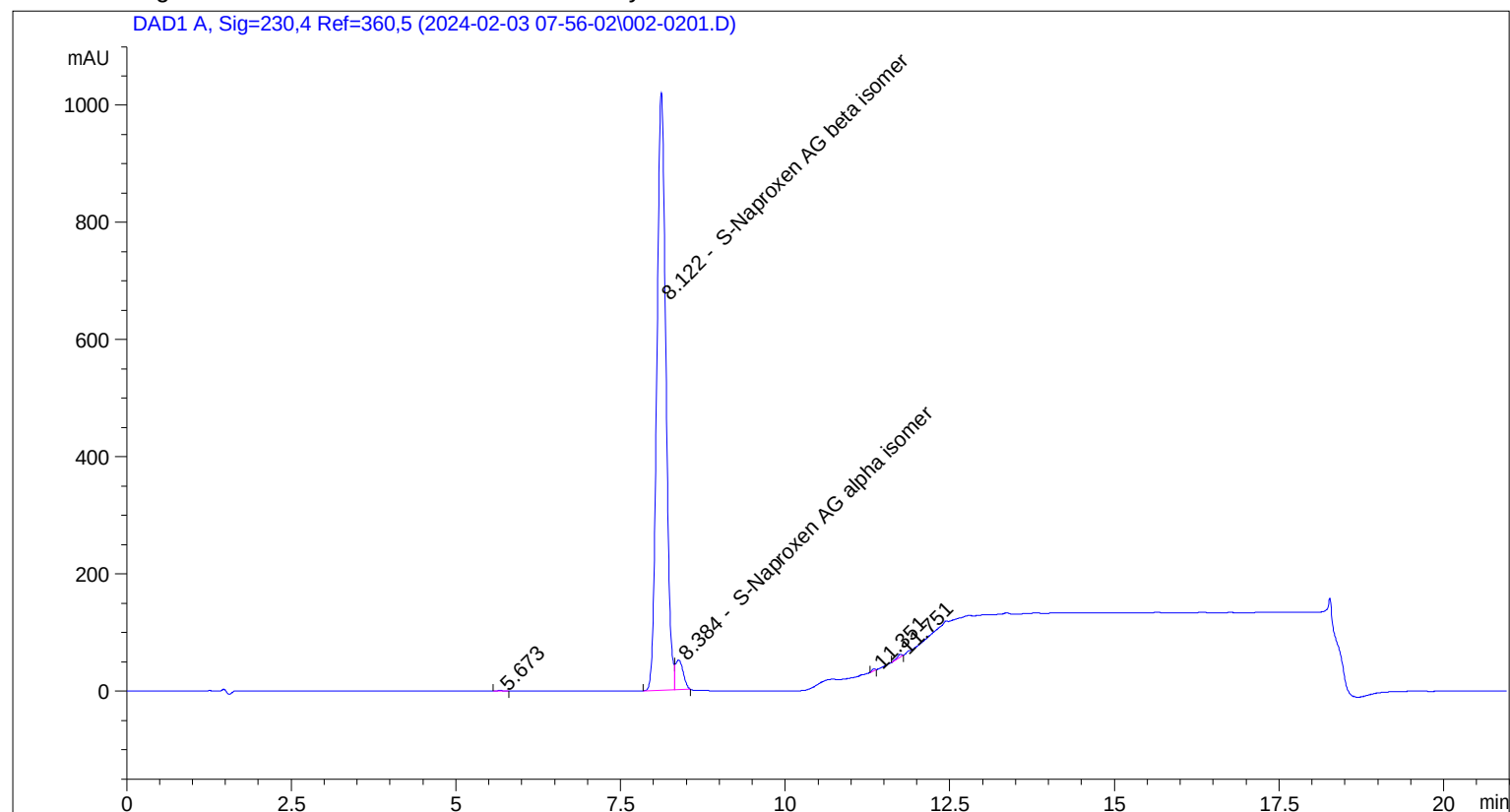
Sample Name: GR-15-185

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Acq. Operator   : vrusu                      Seq. Line :    2
Acq. Instrument : Instrument 1                Location  : Vial 2
Injection Date  : 2/3/2024 8:19:20 AM        Inj       :    1
                                           Inj Volume: 5.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-02-03 07-56-02\VR020324_187.M
Last changed    : 2/3/2024 7:55:37 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020324_187_PM.M
Last changed    : 2/3/2024 8:56:06 AM by vrusu
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                        Area Percent Report
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Sorted By           :      Signal
Calib. Data Modified :      Saturday, February 03, 2024 8:54:58 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs

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Signal 1: DAD1 A, Sig=230,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	8.122	BV	0.1474	9717.05859	95.6381	S-Naproxen AG beta isomer
2	8.384	VBA	0.1262	407.44815	4.0102	S-Naproxen AG alpha isomer

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Totals :                      1.01245e4   99.6483
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Uncalibrated Peaks:

Sample Name: GR-15-185

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	5.673	BB	0.1173	2.24089	0.0221	?
2	11.351	BB	0.0543	10.23725	0.1008	?
3	11.751	BB	0.0752	23.25374	0.2289	?

Uncalib. totals : 35.73188 0.3517

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

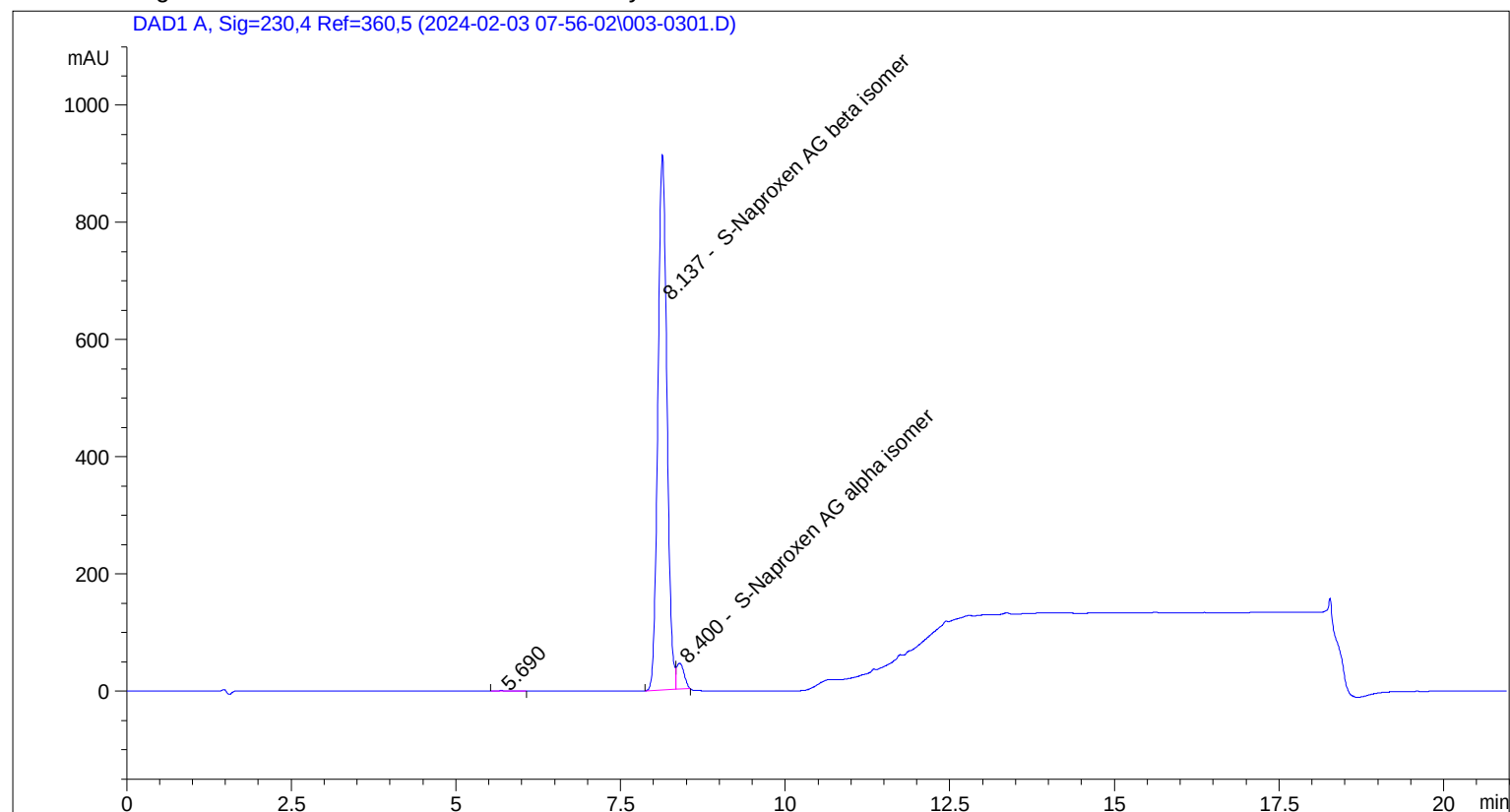
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*** End of Report ***

Sample Name: GR-15-185 spl-2

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Acq. Operator   : vrusu                      Seq. Line :    3
Acq. Instrument : Instrument 1                Location  : Vial 3
Injection Date  : 2/3/2024 8:41:39 AM         Inj       :    1
                                           Inj Volume: 5.0 µl

Acq. Method     : C:\CHEM32\1\DATA\2024-02-03 07-56-02\VR020324_187.M
Last changed    : 2/3/2024 7:55:37 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR020324_187_PM.M
Last changed    : 2/3/2024 8:56:06 AM by vrusu
=====
```



```
=====
                          Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      Saturday, February 03, 2024 8:54:58 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Do not use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=230,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	8.137	BV	0.1516	8732.81250	96.1342	S-Naproxen AG beta isomer
2	8.400	VBA	0.1239	346.71619	3.8168	S-Naproxen AG alpha isomer

Totals : 9079.52869 99.9509

Uncalibrated Peaks:

Sample Name: GR-15-185 spl-2

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	5.690	BB	0.1535	4.45614	0.0491	?

Uncalib. totals : 4.45614 4.905e-2

1 Warnings or Errors :

Warning : Calibration warnings (see calibration table listing)

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*** End of Report ***