

Nexera UC

Nexera UC SFC-UV

DAICEL DCpak SFC-A

SFC

50 500 mg/L

RSD 0.2% 1.5%

Nexera UC SFC

Supercritical Fluid

Chromatography SFC

SFC

CO₂ scCO₂

SFC

2015

SFC

0531

Nexera

Nexera UC SFC-UV

UC

SFC

BPR

Nexera UC SFC-UV

LC-30AD_{SF} CO₂

LC-20AD_{XR}

LPGU

DGU-20A5

SIL-30AC

CTO-20AC

SFC-30A

SPD-20A

CBM-20A

LabSolutions Ver 5.8

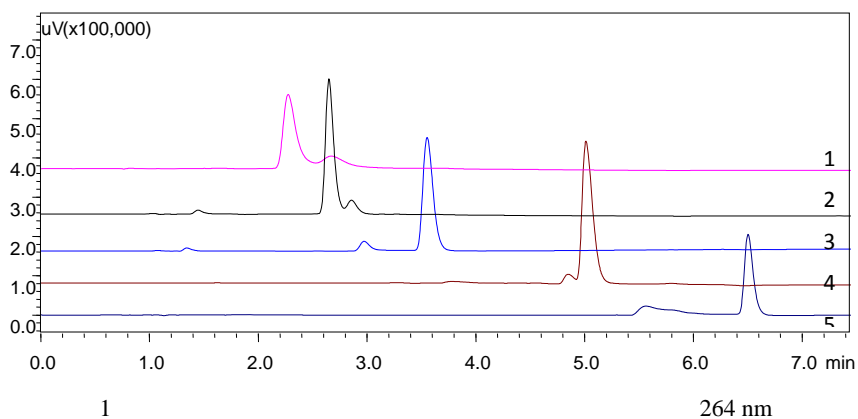
RP-HPLC

DMSO

DMSO-ACN 1:1, v/v

1

#	CAS#		
1	N2-Acetylguanine	19962-37-9	C ₇ H ₇ N ₅ O ₂
2	N(2),9-Diacetylguanine	3056-33-5	C ₉ H ₉ N ₅ O ₃



1
264 nm

1.ODS-P 2.ODS-4 3.OD-H 4.SIL 5.SFC-A

GL science ODS-P ODS-4 SIL Daisel OD-H SFC-A

4.6 mm I.D.×250 mm L., 5 μm scCO₂-MeOH

ODS-P ODS-4 SIL

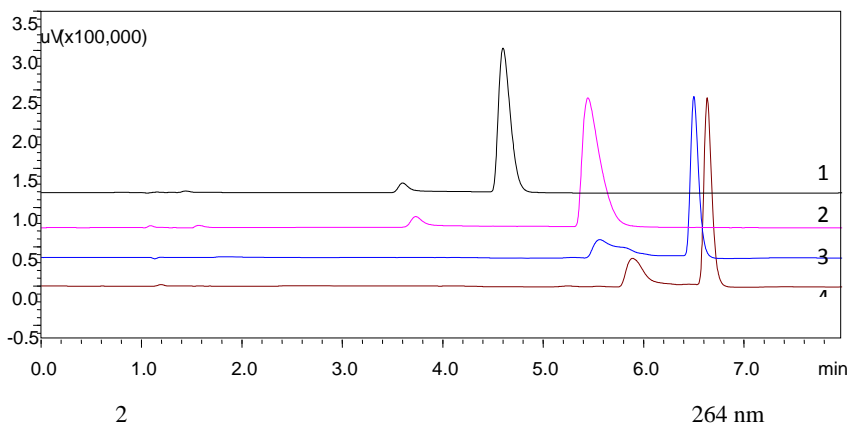
OD-H SFC-A

1

OD-H SFC-A

SFC-A

OD-H



2

264 nm

1.OD-H- 2.OD-H- 3.SFC-A- 4.SFC-A-

SFC

scCO₂

scCO₂-MeOH

scCO₂-EtOH

OD-H SFC-A

SFC-A

scCO₂-EtOH

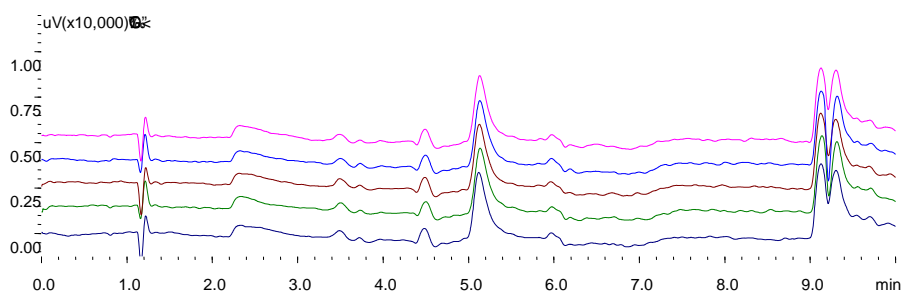
SFC

DAICEL DCpak SFC-A 4.6 mm I.D.×250 mm L., 5 μm

A-scCO₂ B- 3 mL/min
 40 264 nm
 10 MPa 1 μL

5%B 2
 2

Time	Module	Command	Value
3	Pump	Pump B Con.	12
6	Pump	Pump B Con.	25
8	Pump	Pump B Con.	25
8	Pump	Pump B Con.	5
10	Controller	Stop	



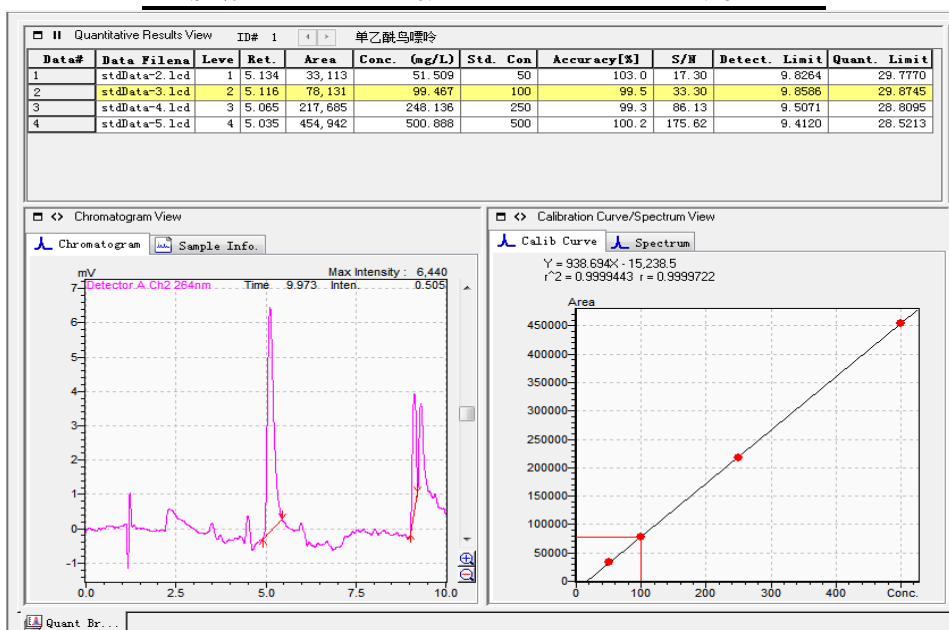
3 50 mg/L n=6

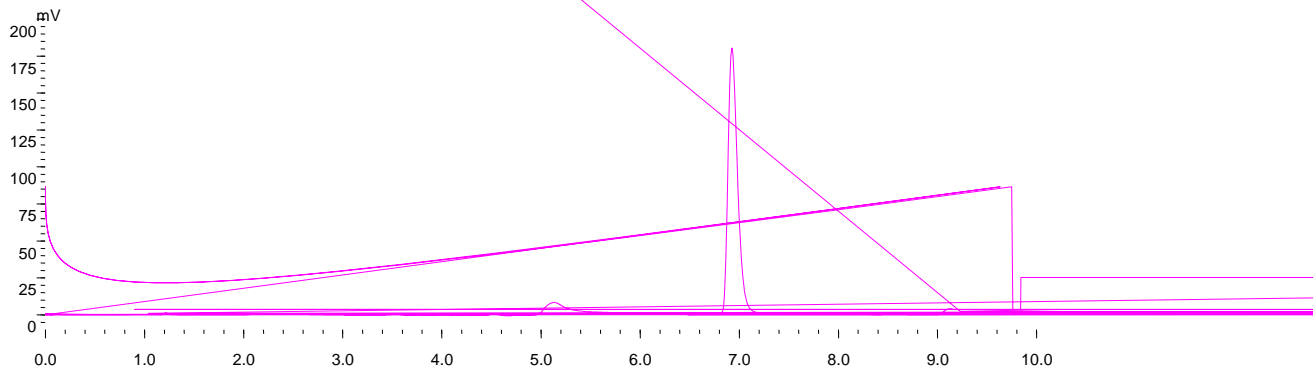
3 50 mg/L n=6

min

1	5.135	34,567
2	5.132	33,970
3	5.134	34,476
4	5.128	34,480
5	5.137	33,973
6	5.121	35,047

RSD% 5.131 34,419
 0.11 1.18





5

Nexera UC SFC-UV

SFC

scCO₂

SFC

SFC-MS