

Analysis Report

Prepared For: _____

Prepared By: _____

Analytical method

Mobile Phase A: 0.1% Formic Acid in Water/Water

Mobile Phase B: 0.1% Formic Acid in Acetonitrile/Methanol

Testing Site and Date

Testing Site: _____ Testing Date: 08/14/14

Analyte

Name: Testosterone Isocaproate

Condition while received: Well

Storage Condition after received: Room Temperature

There was no discrepancy when sample received.

Analytical Instrument

Equipment: LC/MS/MS and HPLC

ID Number: HPLC-017/MSMS-023 / HPLC-025

Software: MassLynx v.4.1/Millennium

Result (original mass-spectrogram see attachment):

The sample has same Parent Ion with the standard.

The compound in sample is Testosterone Isocaproate

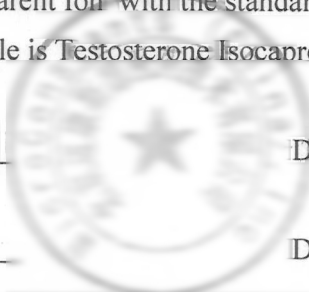
Assay Percent%:103

Analyst: _____

Date: 08/15/14

Auditor: _____

Date: 08/15/14



Testosterone Isocaproate
Molecular weight: 386.57

HPLC-023 Condition

Solvent A: 0.1% Formic Acid in Water

Solvent B: 0.1% Formic Acid in Acetonitrile

Mobile Phase: Solvent A:Solvent B (5:95, v/v)

Flow Rate (mL/min): 0.300

MSMS-017 Condition:

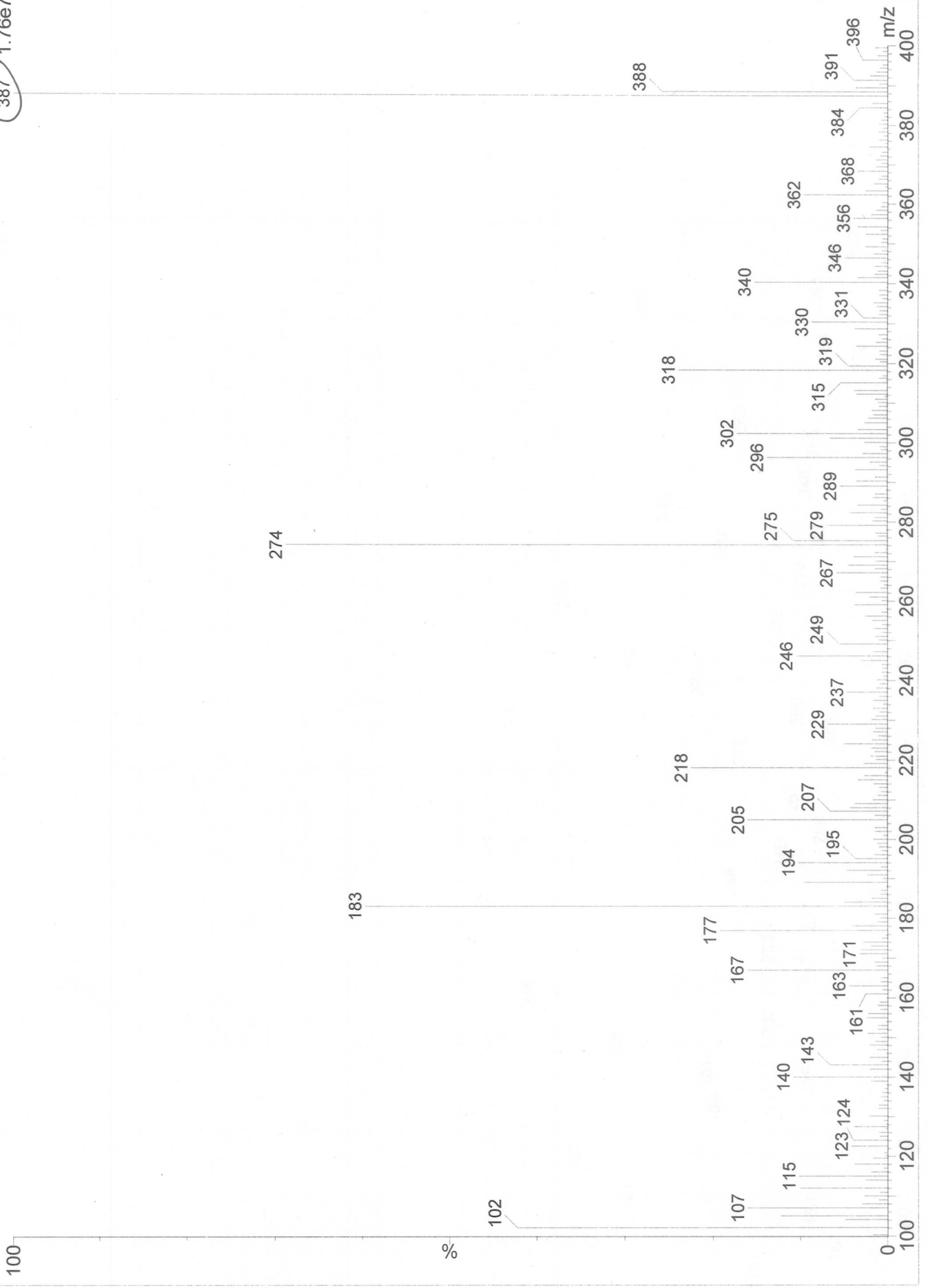
Cone (V)	30
Collision (eV)	1
Dwell Time (secs)	0.3
Delay Time (secs)	0.02
Ionization Mode	ES+
Source Temperature (°C)	130
Desolvation Temperature (°C)	350
Cone Gas (L/hr)	78
Desolvation Gas (L/hr)	797
Capillary (kV)	1.5
Hex 1 (V)	25
Aperture (V)	0
Hex 2 (V)	0.5
LM/HM Resolution 1	15.0/15.0
Ion Energy 1 (V)	0.5
LM/HM Resolution 2	15.0/15.0
Ion Energy 2 (V)	1.5
Entrance	50
Exit	50
Multiplier (V)	650

	Standard	Sample
Parent Ion	387	387

1ug/ml

TI STD 081404 6 (0.220) Cm (2:6)

Scan ES+
387 1.76e7



Project: PF14F0002
Analytical Run: AR45

Current Date: 8/14/2014
Current Time: 3:10:16 PM

Peak Results
Name: TI

	SampleName	Name	Sample Type	Area	Retention Time (min)	Concentration	Units	Dilution
1	TI 1ug/mL	TI	Standard	40590	5.667	1.00000	ug/mL	1.00
2	TI 5ug/mL	TI	Standard	210186	5.667	5.00000	ug/mL	1.00
3	TI 10ug/mL	TI	Standard	424501	5.662	10.00000	ug/mL	1.00
4	TI 15ug/mL	TI	Standard	676918	5.658	15.00000	ug/mL	1.00
5	TI 20ug/mL	TI	Standard	883087	5.661	20.00000	ug/mL	1.00
6	S1 10ug/mL	TI	Unknown	453272	5.665	10.33857	ug/mL	1.00
7	S1 10ug/mL	TI	Unknown	452277	5.666	10.31640	ug/mL	1.00
8	S1 10ug/mL	TI	Unknown	452289	5.666	10.31666	ug/mL	1.00

Project: PF14F0002

Intercept: -10448.333362

Compound: TI

Slope: 44853.407192

Analytical Run: AR45

r: 0.999504

Current Date: 8/14/2014

Fit Type: Linear (1st Order)

Current Time: 3:10:37 PM

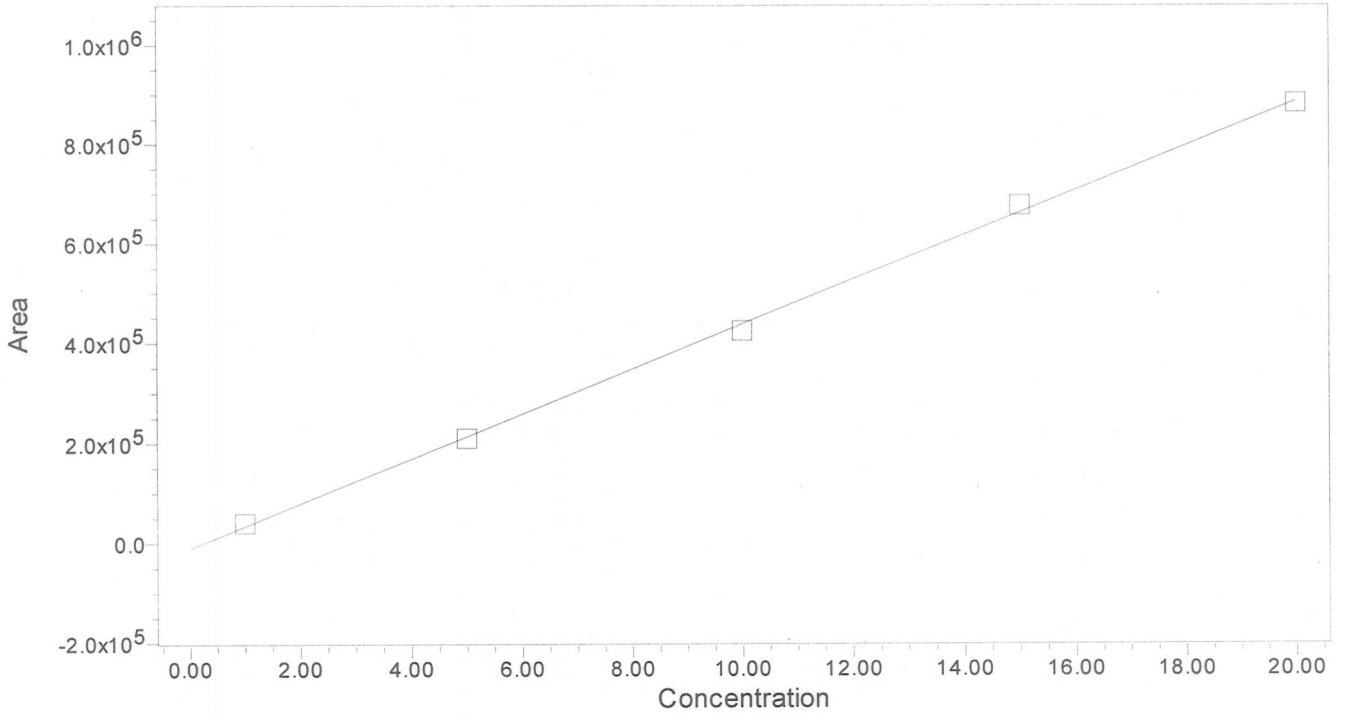
Weighting: None

Date Calibrated: 8/14/2014 3:09:51 PM

Date Acquired: 8/14/2014 1:34:04 PM

Units: ug/mL

Calibration Plot



	Name	Level	X Value	Response	Calc. Value	% Deviation	Manual	Ignore
1	TI	W1	1.000000	40589.800000	1.137888	13.78875	No	No
2	TI	W2	5.000000	210186.000000	4.919009	-1.61981	No	No
3	TI	W3	10.000000	424501.000000	9.697130	-3.02870	No	No
4	TI	W4	15.000000	676918.400000	15.324738	2.16492	No	No
5	TI	W5	20.000000	883086.900000	19.921234	-0.39383	No	No

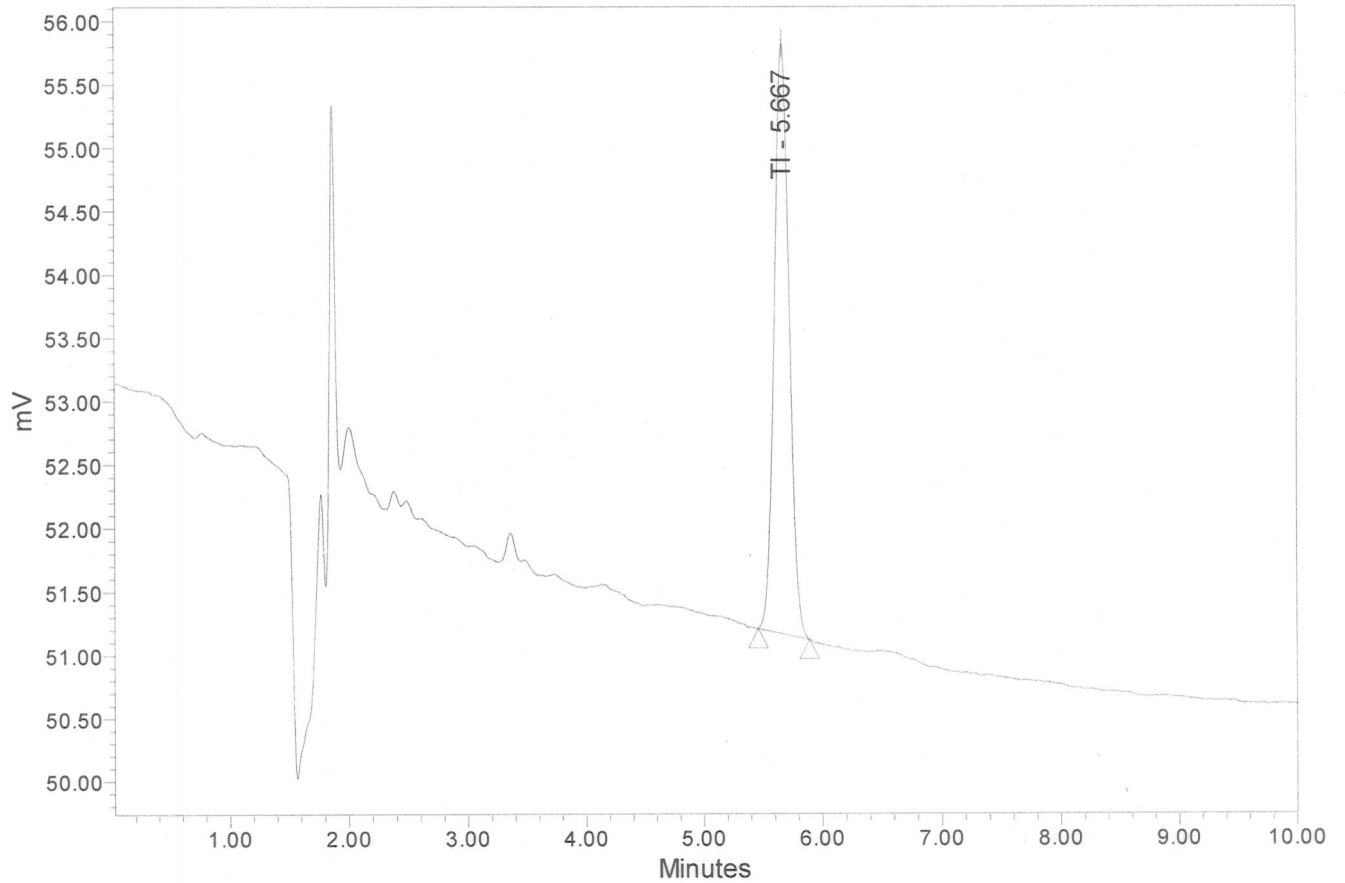
Software Version 4.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:10:59 PM
Date Acquired: 8/14/2014 1:34:04 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: TI 1ug/mL
Injection Id: 10083

Auto-Scaled Chromatogram



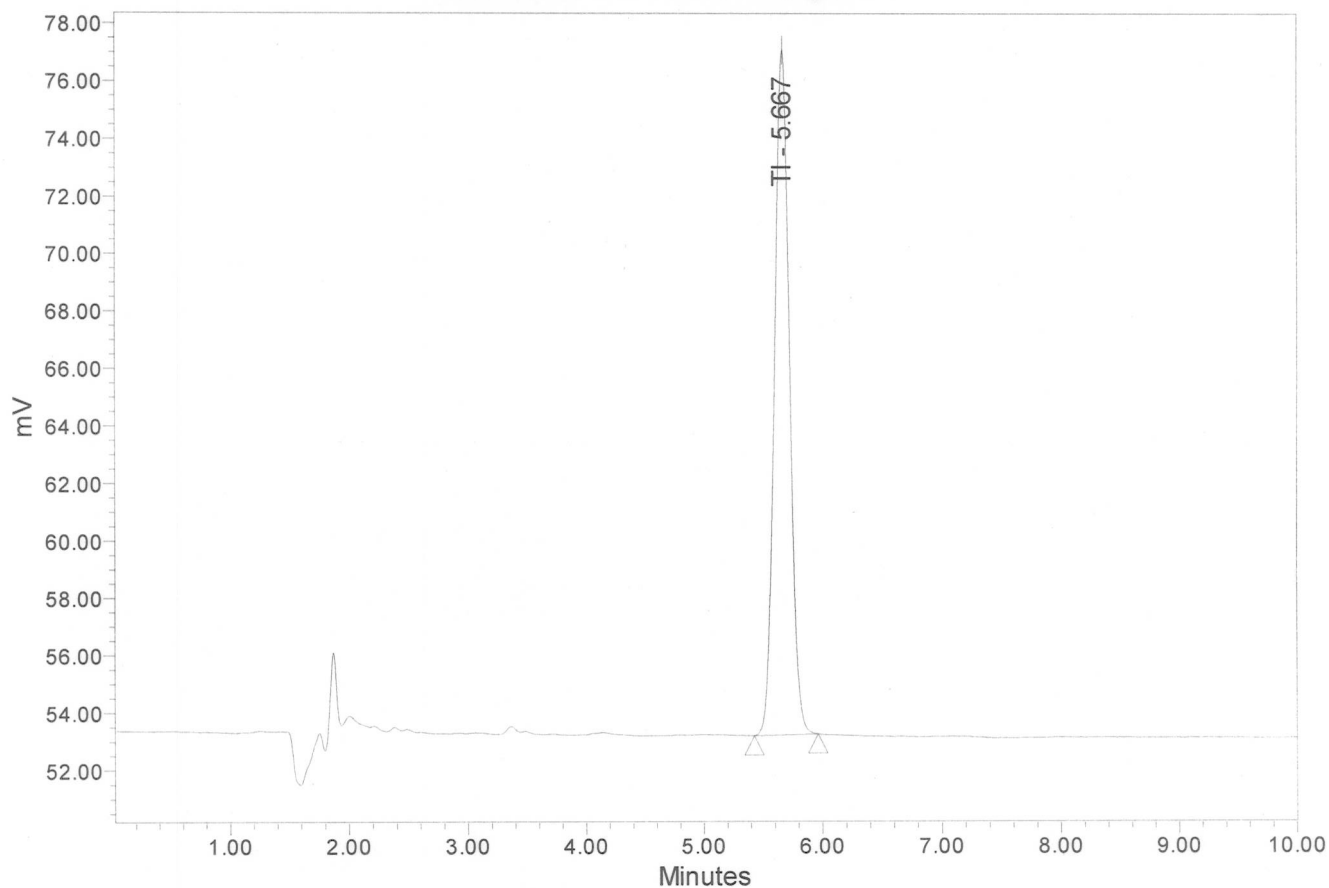
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	TI 1ug/mL	5.667	4657	40590	1	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:10:59 PM
Date Acquired: 8/14/2014 1:44:53 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: TI 5ug/mL
Injection Id: 10088

Auto-Scaled Chromatogram



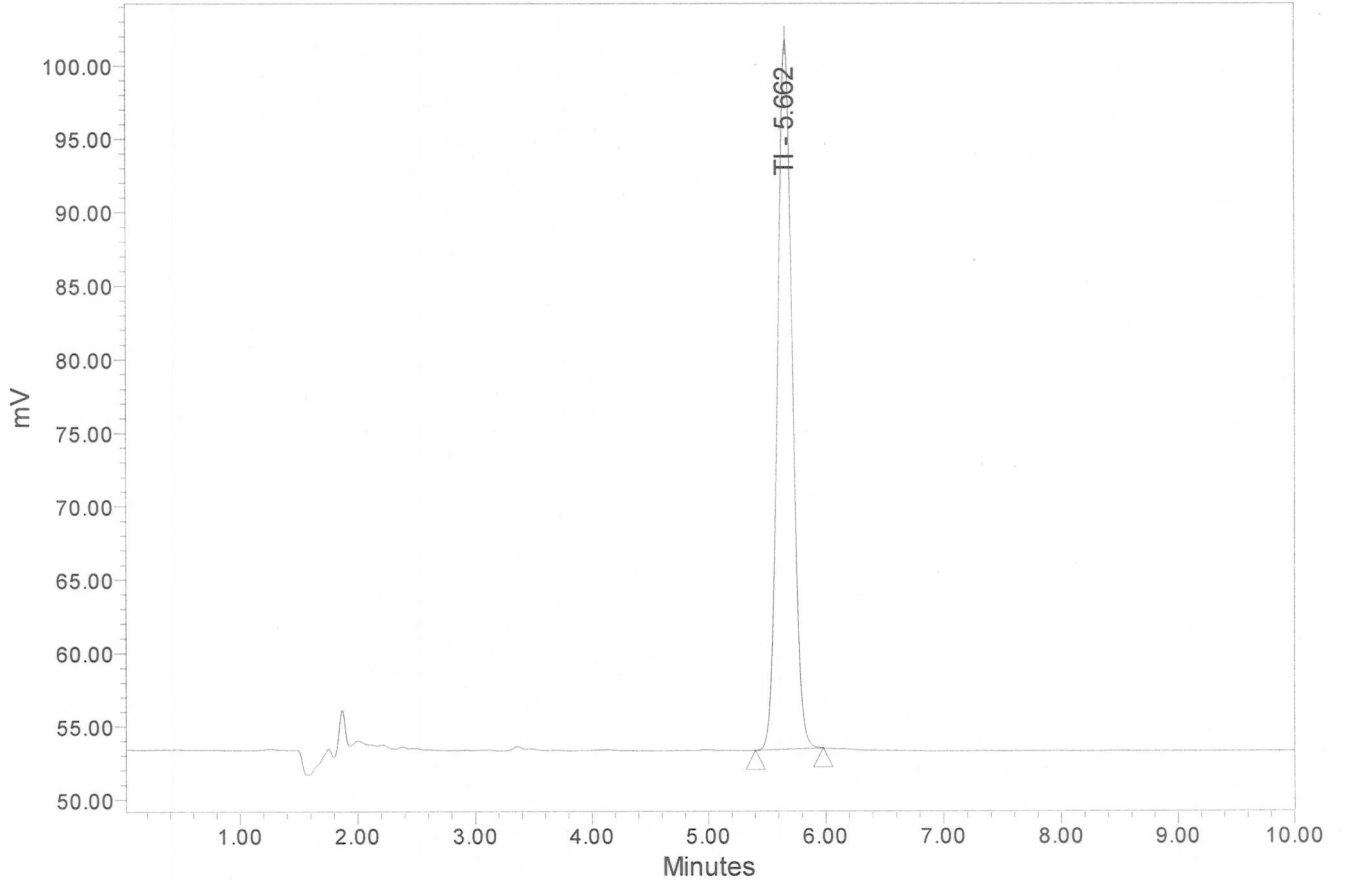
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	TI 5ug/mL	5.667	23867	210186	2	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:11:00 PM
Date Acquired: 8/14/2014 1:55:41 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: TI 10ug/mL
Injection Id: 10115

Auto-Scaled Chromatogram



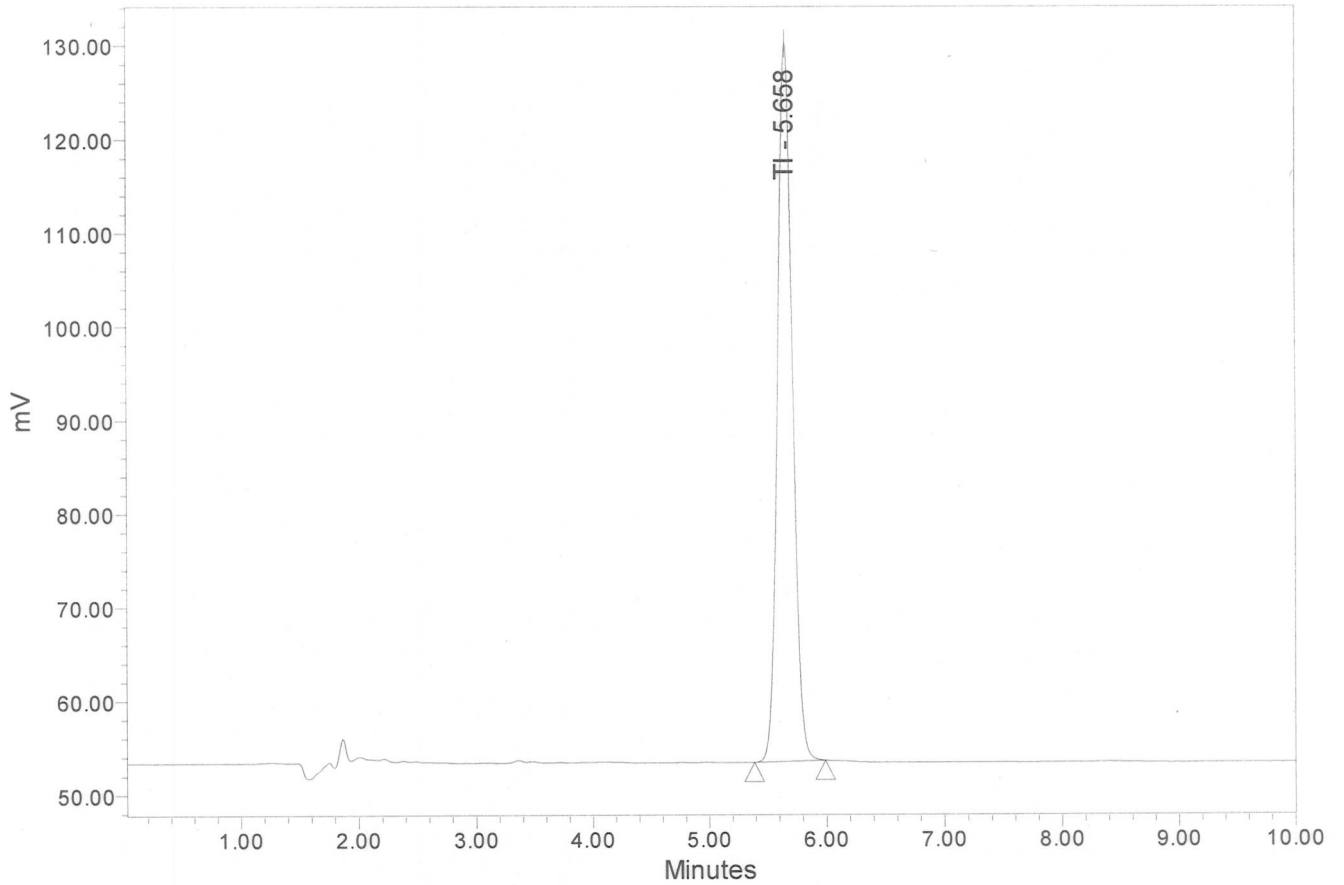
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	TI 10ug/mL	5.662	48333	424501	3	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:11:01 PM
Date Acquired: 8/14/2014 2:06:31 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: TI 15ug/mL
Injection Id: 10119

Auto-Scaled Chromatogram



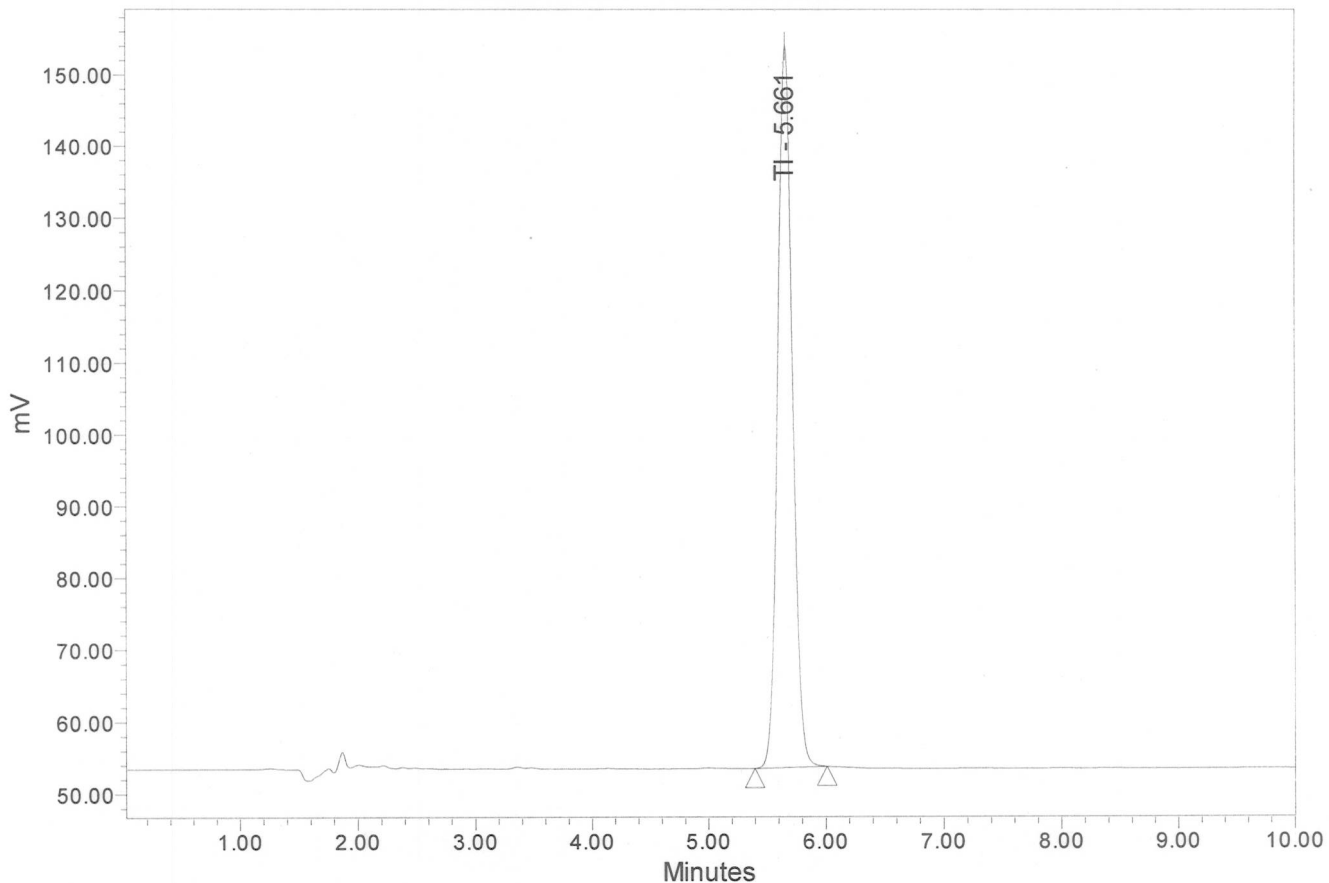
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	TI 15ug/mL	5.658	76725	676918	4	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:11:01 PM
Date Acquired: 8/14/2014 2:17:18 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: TI 20ug/mL
Injection Id: 10123

Auto-Scaled Chromatogram



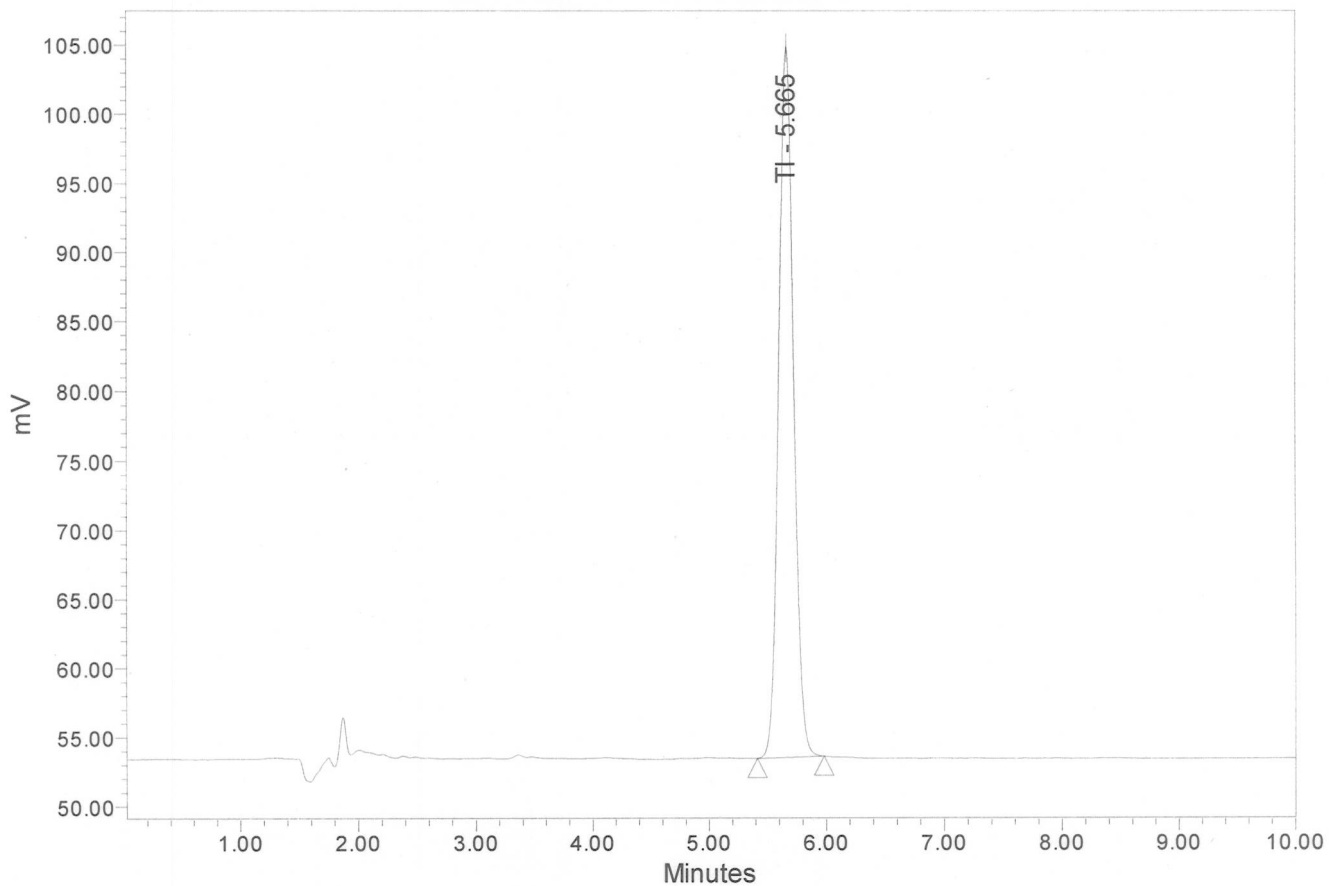
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	TI20ug/mL	5.661	100485	883087	5	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:11:02 PM
Date Acquired: 8/14/2014 2:28:10 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: S1 10ug/mL
Injection Id: 10127

Auto-Scaled Chromatogram



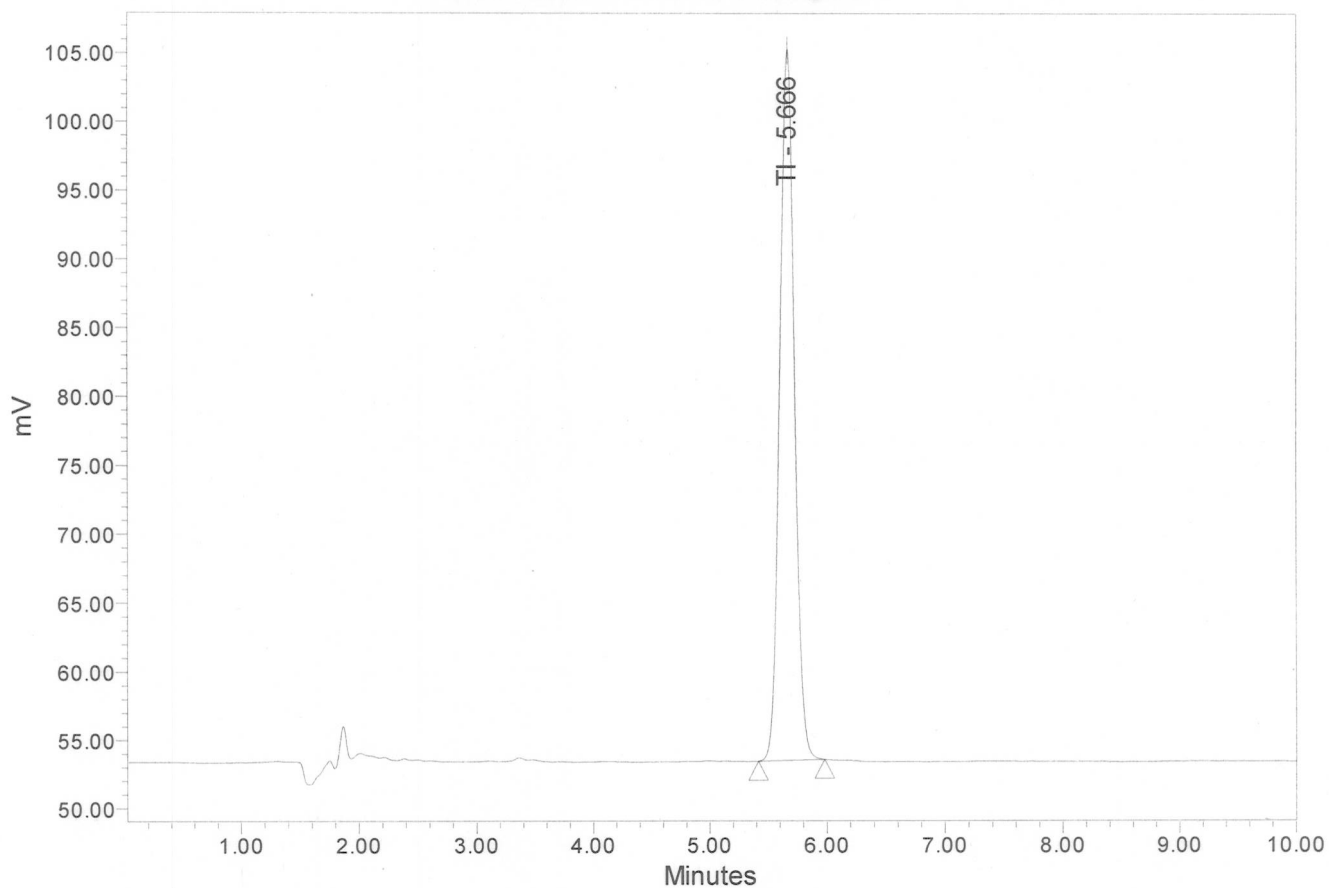
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	S1 10ug/mL	5.665	51340	453272	6	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:11:03 PM
Date Acquired: 8/14/2014 2:38:59 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: S1 10ug/mL
Injection Id: 10143

Auto-Scaled Chromatogram



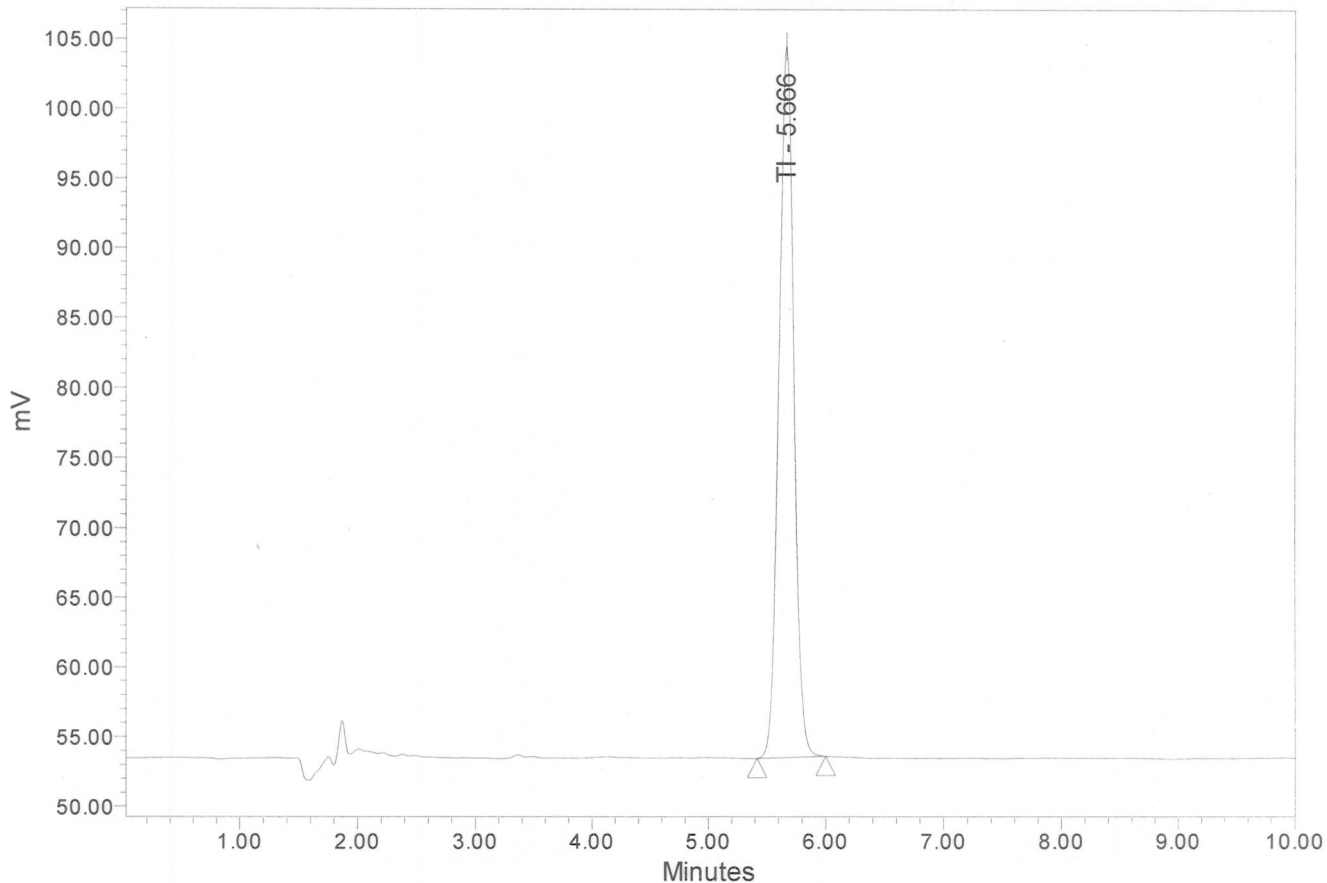
Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	S1 10ug/mL	5.666	51762	452277	7	100.00

Project: PF14F0002
Compound: TI

Current Date: 8/14/2014
Current Time: 3:11:03 PM
Date Acquired: 8/14/2014 2:49:47 PM
Date Calibrated: 8/14/2014 3:09:51 PM

Analytical Run: AR45
Text: S1 10ug/mL
Injection Id: 10162

Auto-Scaled Chromatogram



Name	SampleName	RT	Height	Area	Vial	% Area	
1	TI	S1 10ug/mL	5.666	51019	452289	8	100.00

AR45 Testosterone Isocaproate

HPLC Condition

Solvent A: Water

Solvent B: Methanol

Mobile Phase: Solvent A:Solvent B (10:90, v/v)

Flow Rate (mL/min): 1.00

Wavelength: 246 nm

Column: ZORBAX Eclipse Plus dC18, 150 × 4.6 mm, 5 μm, Agilent

	Calculated Conc.(ug/mL)	Mean Actual Conc.(ug/mL)	Theoretical Conc.(ug/mL)	Assay Percent %
S1-1	10.34	10.3	10.0	103
S1-2	10.32			
S1-3	10.32			