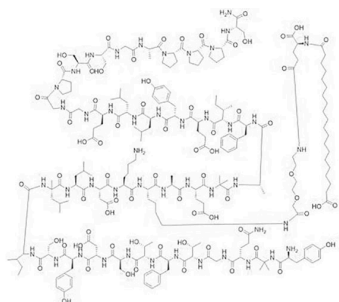





## Certificate of Analysis



Compound:	Retatrutide	Analysis Date:	07-Aug-2024
CAS:	2381089-83-2	Client:	Wolverine Peptides
Manufacturer:	Wolverine Peptides		
Client Sample ID:	Green Cap		
Lot:	RT 20mg 1 vial	Test Reference:	2408004
Sample Image:			

Sample Testing	Test Method	Acceptance Criteria	Result
Appearance	Visual	White to off-white powder	Pass
Identification by Retention Time	TM-1004	0.98 - 1.02	1.00
Identification by UV Spectral Comparison to Reference Standard	TM-1004	≥ 950	999
Vial Content (mg)	TM-1004	Per customer specification	23.85mg
Purity	TM-1004	Per customer specification	99.408%

- **Appearance:** This check is to visually verify that the sample matches the expected sample properties. If the sample appearance was different than listed, TrustPointe would reach out to the customer to verify that the correct samples were received.
- The Following Tests Are Performed Using HPLC (High Performance Liquid Chromatography):
  - **Identification by Retention Time:** This is an identification test in which the retention time of the sample is compared to the average retention time of five reference standard injections.
  - **Identification by UV Spectral Comparison to Reference Standard:** This is an identification test in which the UV spectrum of the sample is compared to the UV spectrum of the standard.
  - **Vial Content (mg):** This is the amount of the compound in the vial we tested determined by HPLC analysis.
  - **Purity:** This is purity of the sample, calculated including peaks around the compound that may be

impurities.

Method & System Suitability	Test Method	Acceptance Criteria	Result
Standard + SSC Injection RSD	TM-1004	Standard Bracket Area RSD $\leq$ 2.0%	0.2%
Coelution Control (Peak Purity)	TM-1004	> 950	997

- **Standard + SSC Injection RSD:** This value shows that the HPLC system was running properly throughout your testing. The %RSD of the standard injections performed before your sample and the standard injection performed after your sample is calculated to ensure there were no system errors during your run. Although system errors such as leaks, a line running dry, air bubbles, etc. are rare, it's important that we demonstrate no errors occurred during analysis.
- **Coelution Control (Peak Purity):** This value demonstrates that there is no co-elution occurring during analysis. We receive samples from a multitude of manufacturers and each has their own recipe (stabilizers, solubilizers, fillers, etc) in their process. This measurement ensures that none of these other components interfere with the analysis. In short, this number confirms that the method is working properly and only analyzing the target compound.

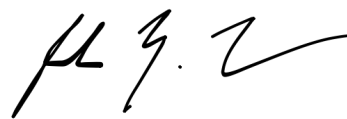
All testing services provided by TrustPointe Analytics LLC are subject to our [Terms of Service](#). Learn [How To Read a COA](#).

Created By:



Ashlee Lust 07-Aug-2024

Reviewed By:



Joshua Lust 07-Aug-2024

# Sample Potency and ID Report

Sequence Name 1004\_aml\_080724

Sequence Acquired Date 2024-08-07 15:40:35-04:00

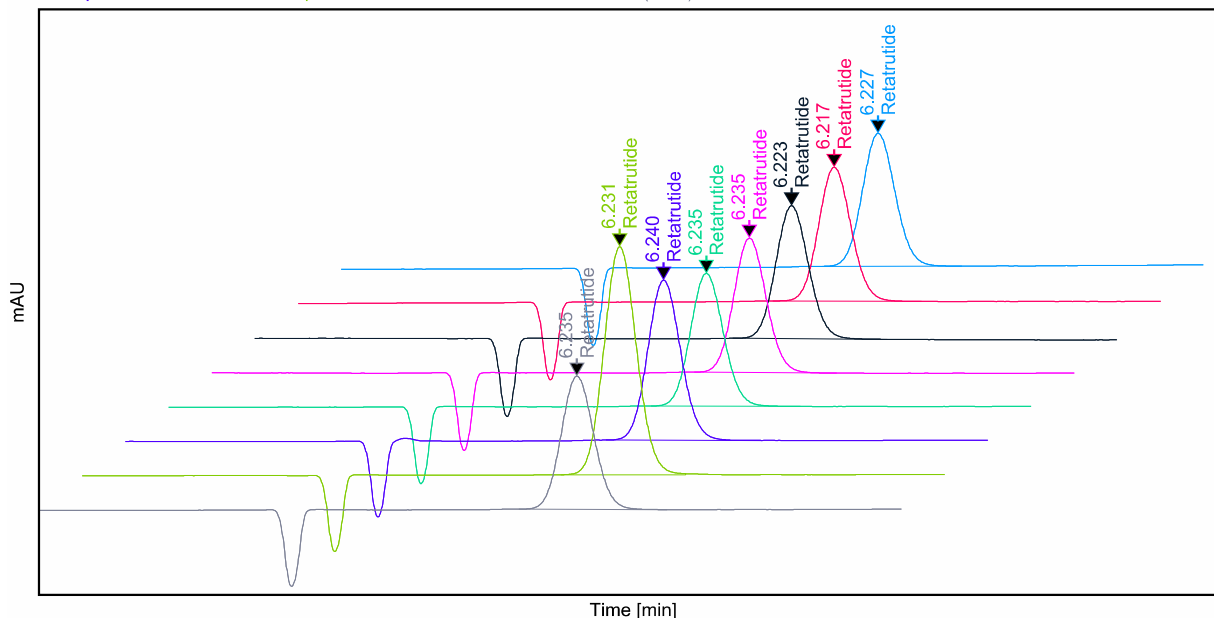
Retatrutide Std - 1  
Sample ID 2408004

Retatrutide Std - 2  
Sample ID 2408006

Retatrutide Std - 3  
Retatrutide Std - 6 (SSC)

Retatrutide Std - 4

Retatrutide Std - 5



Sample Name	Name	RT	Area	Multiplier	Amount	Unit	UV Match Factor	Peak Purity	Peak Tail Factor
Retatrutide Std - 1	Retatrutide	6.227	612.812	1;1;1;1;1	9.84	%	1000	970	1.1
Retatrutide Std - 2	Retatrutide	6.217	614.470	1;1;1;1;1	9.87	%	999	996	1.1
Retatrutide Std - 3	Retatrutide	6.223	614.540	1;1;1;1;1	9.87	%	999	993	1.1
Retatrutide Std - 4	Retatrutide	6.235	615.067	1;1;1;1;1	9.88	%	998	994	1.1
Retatrutide Std - 5	Retatrutide	6.235	615.786	1;1;1;1;1	9.89	%	998	995	1.1
Sample ID 2408004	Retatrutide	6.240	742.629	10;1;1;1;1	119.24	%	999	997	1.1
Sample ID 2408006	Retatrutide	6.231	1045.303	6.66667;1;1;1;1	111.89	%	999	998	1.1
Retatrutide Std - 6 (SSC)	Retatrutide	6.235	615.054	1;1;1;1;1	9.88	%	999	992	1.1

## Sample Potency and ID Report

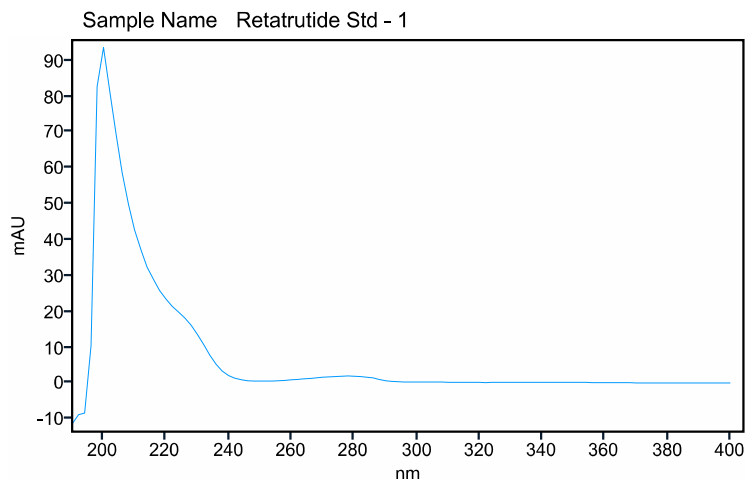
### UV Match Spectra

RT:

6.227

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

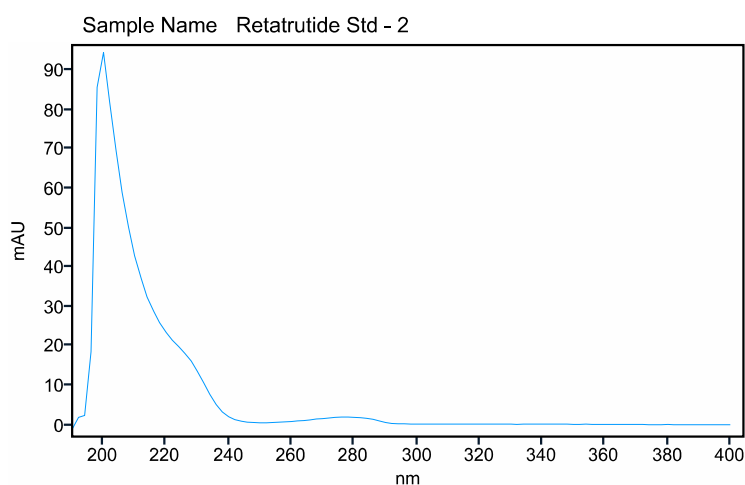
### UV Match Spectra

RT:

6.217

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

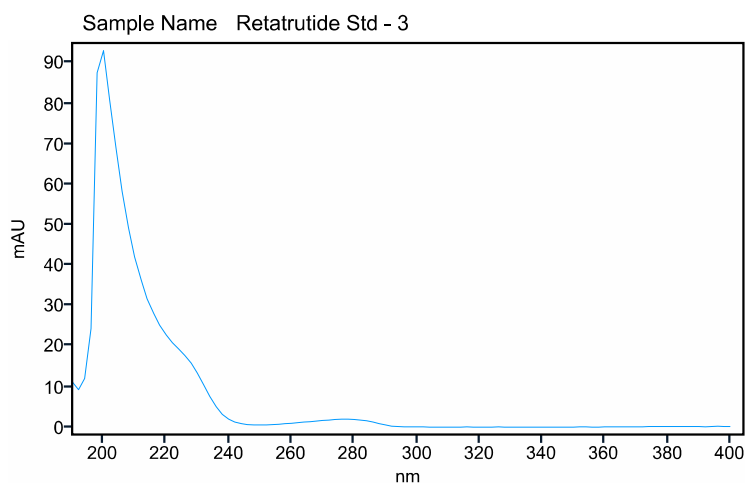
### UV Match Spectra

RT:

6.223

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

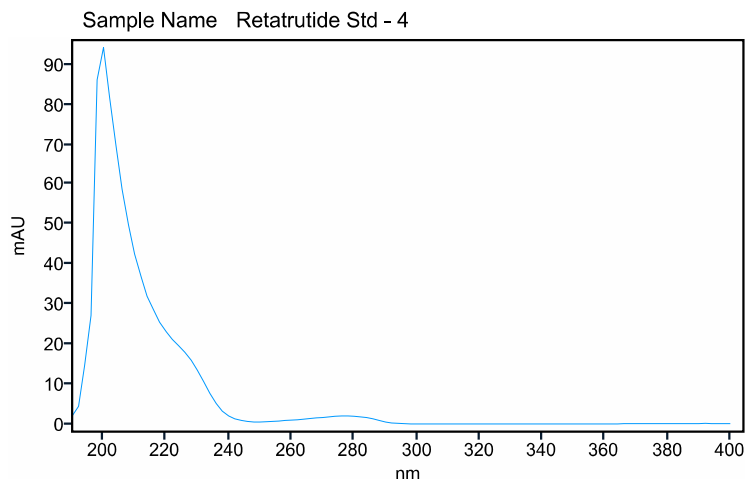
### UV Match Spectra

RT:

6.235

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

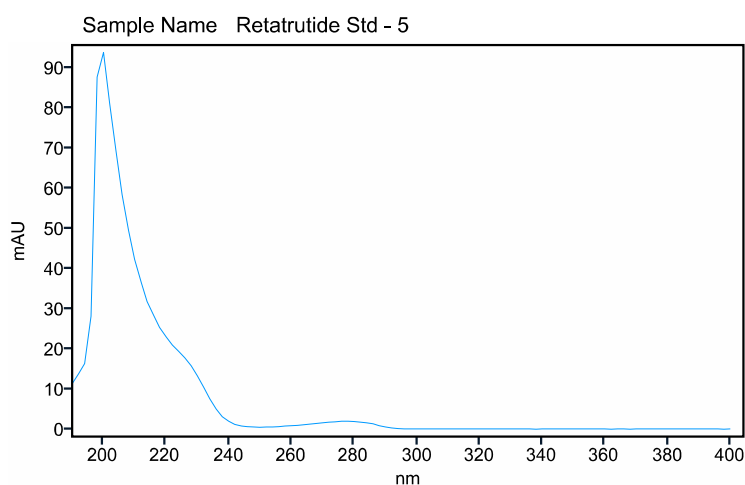
### UV Match Spectra

RT:

6.235

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

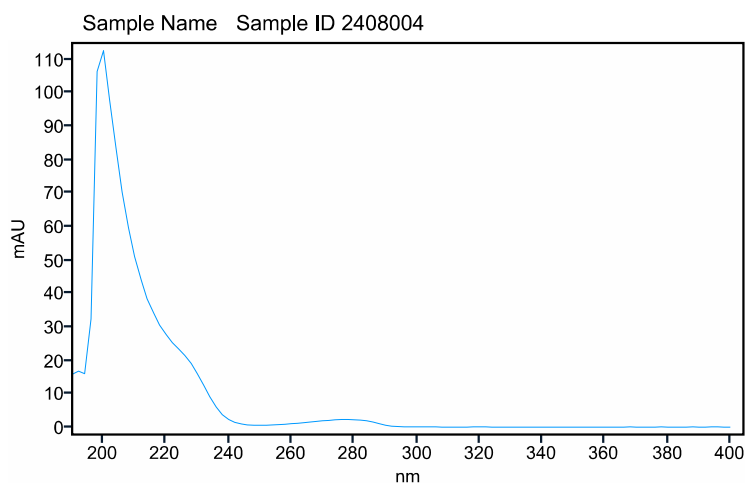
### UV Match Spectra

RT:

6.24

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

## Sample Potency and ID Report

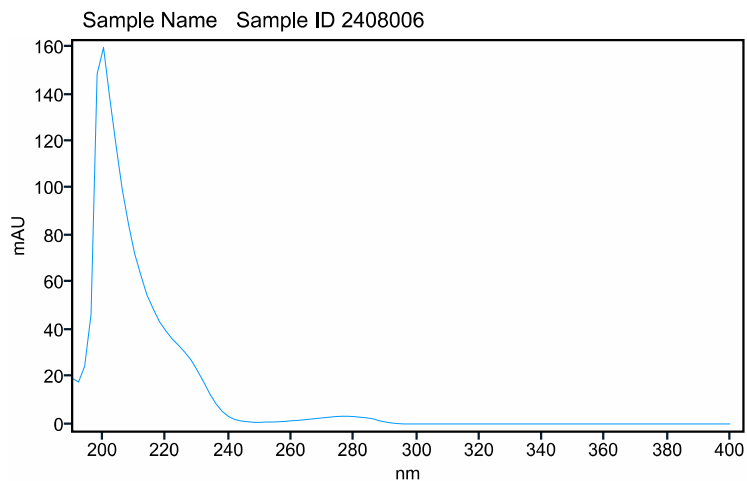
### UV Match Spectra

RT:

6.231

Compound Name:

Retatrutide



Compound Spectra Confirm Result Confirmed

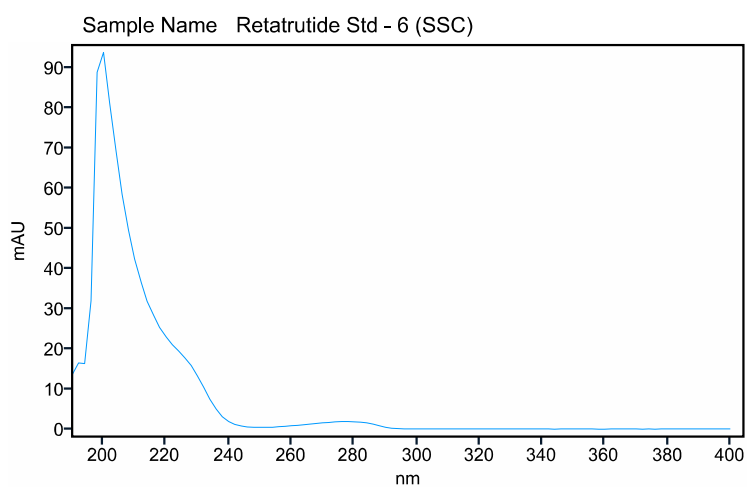
### UV Match Spectra

RT:

6.235

Compound Name:

Retatrutide



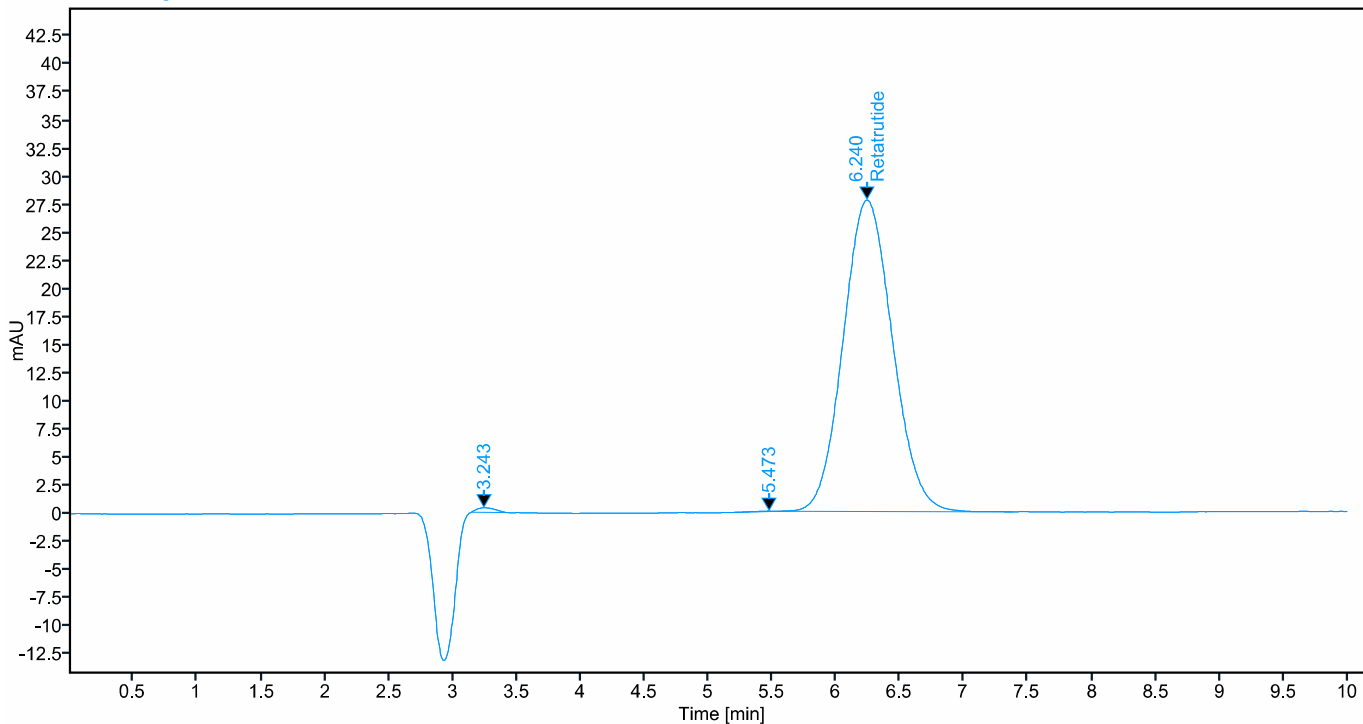
Compound Spectra Confirm Result Confirmed

# Sample Purity Report

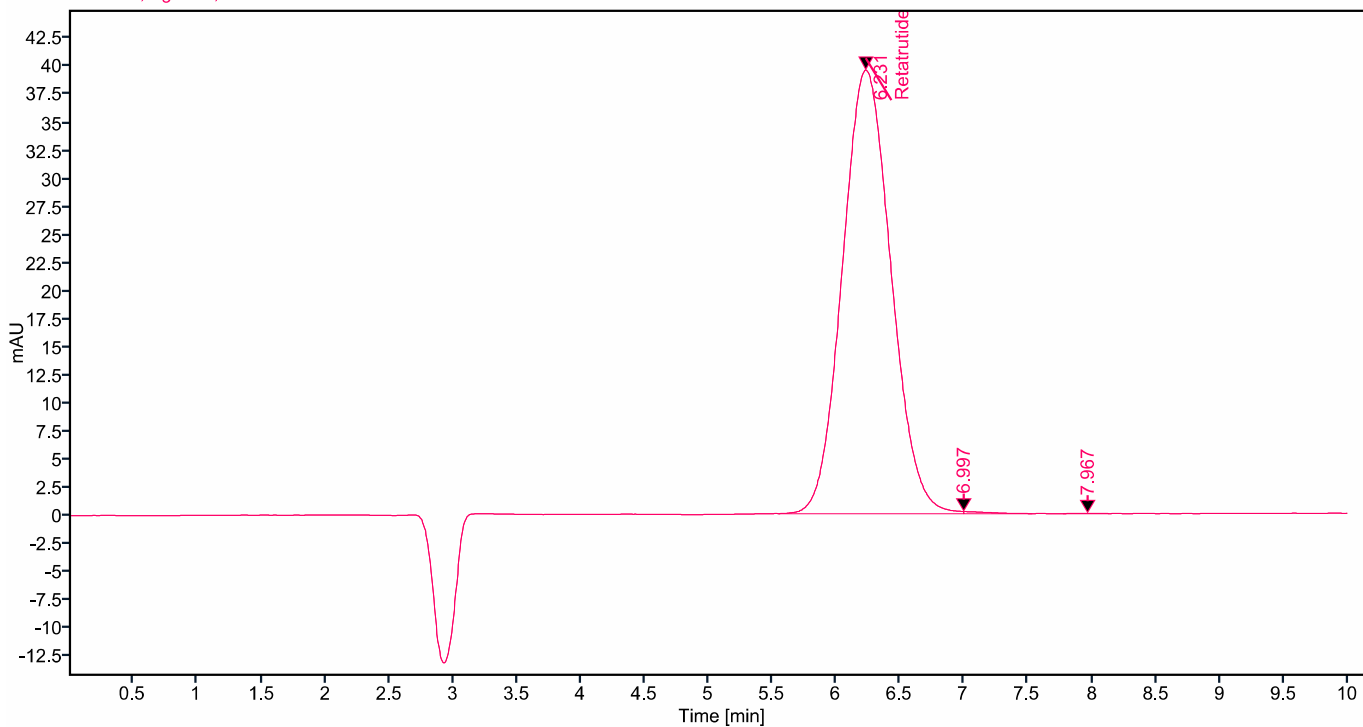
Sequence Name 1004\_aml\_080724

Sequence Acquired Date 2024-08-07 15:40:35-04:00

DAD1A,Sig=220,4 Ref=off



DAD1A,Sig=220,4 Ref=off



## Sample Purity Report

Sample Name	Name	RT	Area	Peak Area Percent
Sample ID 2408004		3.243	4.067	0.544
Sample ID 2408004		5.473	0.359	0.048
Sample ID 2408004	Retatrutide	6.240	742.629	99.408
Sample ID 2408006	Retatrutide	6.231	1045.303	99.741
Sample ID 2408006		6.997	2.339	0.223
Sample ID 2408006		7.967	0.380	0.036