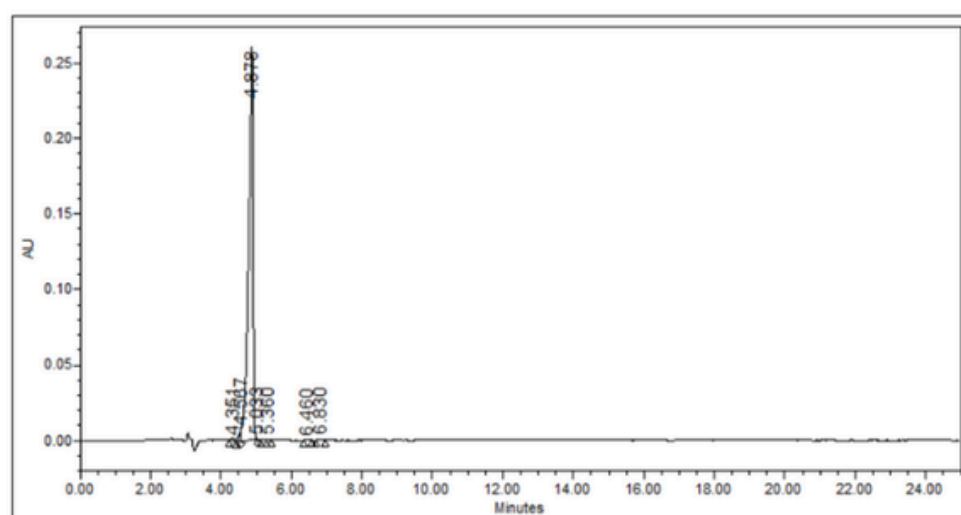


### HPLC Analysis Report

Product Name : TY-A-10152 livagen  
 Catalog ID : TY-A-10152 livagen  
 Lot. No : TY-25073110152  
 Sequence : H-Lys-Glu-Asp-Ala-OH  
 Column : COSMOSIL Packed Column,5C18-MS-II,(4.6ID . 250mm)  
 Buffer : A: 0.1% TFA in Acetonitrile B: 0.1% TFA in H2O  
 Gradient : 1-1%A in 25 min  
 Flow rate : 1.0ml/min  
 Wavelength : 220nm  
 Dissolution method : 100%H2O  
 Column temperature : 35°C



RT	Area	% Area	Height	RT	Area	% Area	Height
4.351	8989	0.38	1333	5.360	1119	0.05	228
4.567	28442	1.21	7723	6.460	1579	0.07	213
4.878	2309820	98.11	260240	6.830	3267	0.14	429
5.033	993	0.04	459				

**MS Analysis Report**

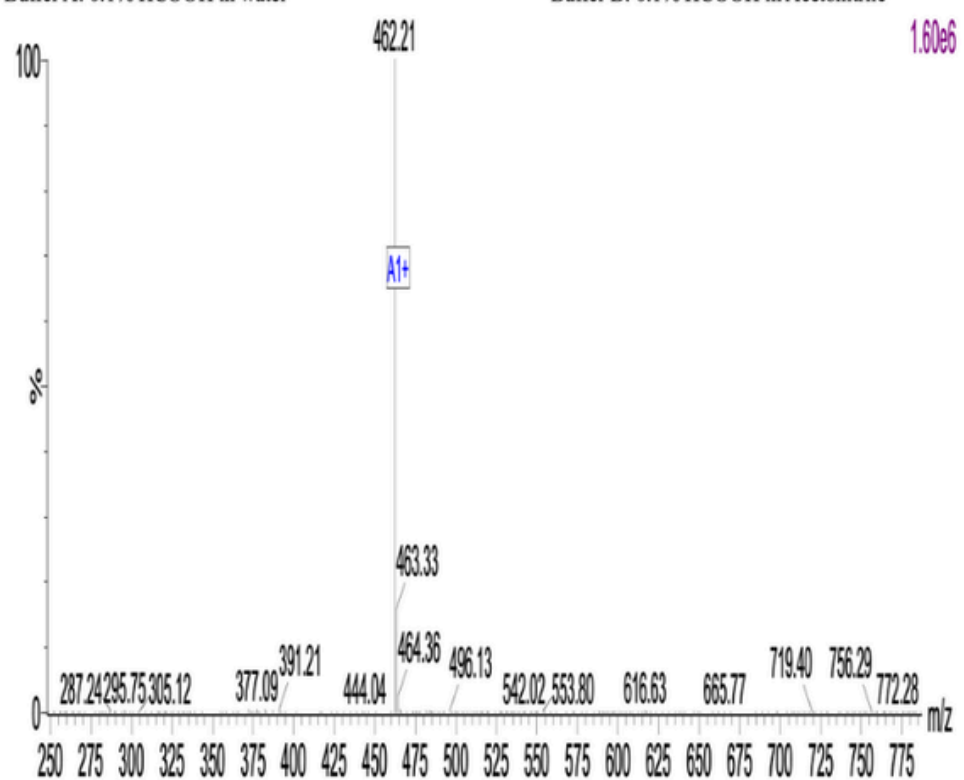
Sample ID: TY-A-10152 livagen

Expected MS: 461.47 Flow rate: 0.2ml/min

Run Time: 1min

Buffer A: 0.1% HCOOH in water

Buffer B: 0.1% HCOOH in Acetonitrile





### Certificate of Analysis

### 质量分析报告(COA)

Product Name (产品名称): TY-A-10152 livagen

Lot No (批号): TY-2507310152

Peptide Sequence (肽序): H-Lys-Glu-Asp-Ala-OH

Molecular Weight (分子量): 461.47

Weight (重量): 1g

Storage (储存): -4°C or -20°C

Solubility (溶解性): Normal

检测项目 Test Items	标准规定 Specification	检测结果 Results
Appearances 外观	-----	powder
Purity (HPLC)纯度	>98%醋酸盐	98.11%
Mass 质谱	see attached MS Analysis Report	

\*Note: this product is intended for research use only; not for diagnostic or human use.

\*Important: Stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated.

Quality Assurance By: \_\_\_\_\_

Date: 2025-07-31