## **Certificate of Analysis**

## Gamma-glutamylcysteine (TFA)

 Cat. No.:
 HY-113402A

 CAS No.:
 283159-88-6

 Batch No.:
 374901

Chemical Name: L-Cysteine, L-γ-glutamyl-, 2,2,2-trifluoroacetate (1:1)

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{10}H_{15}F_3N_2O_7S$ 

Molecular Weight: 364.30

**Storage:** -20°C, sealed storage, away from moisture

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

**Chemical Structure:** 

$$\begin{array}{c|c}
O & H_2 \\
HO & O \\
HS & O \\
F & O \\
F & F
\end{array}$$

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

MS: Consistent with structure

Purity (HPLC): 95.20%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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