

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA008012-01)

Release Date: 07/03/2025

Re-test Date: 06/03/2028

## Aminocaproic Acid Trimer Impurity

### Identification

**Chemical Name :**

6-(6-(6-Aminohexanamido)hexanamido)hexanoic acid

**Alt. Name**

: Caprolactam trimer ; Tris- $\alpha$ -aminocaproic acid

**CAT No.**

: KMA008012

**CAS No.**

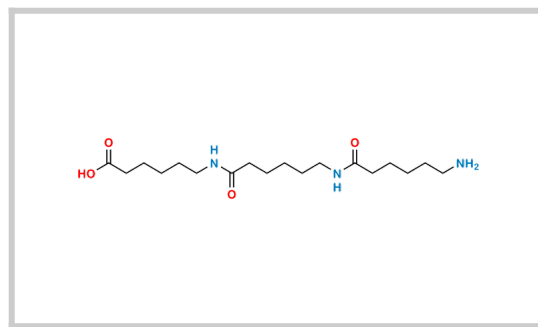
: 5776-78-3

**Molecular Formula**

: C<sub>18</sub>H<sub>35</sub>N<sub>3</sub>O<sub>4</sub>

**Molecular Weight**

: 357.5



### Analytical Information

**Batch No.**

: AMI-TRIMER-030-352

**Solubility**

: Water

**Description**

: Off White Solid

**Mass**

: Confirm

**HPLC Purity**

: 95.88 %

**IR**

: Confirm

**Weight Loss By TGA**

: 0.92 %

**<sup>1</sup>H NMR**

: Confirm

**% Potency**

: 95 %

### Additional Information

**Long Term Storage**

: Store at 2-8 deg. C for long term storage

**Shipping Condition**

: Product is stable to be Shipped at Room Temperature

**% Potency** = [100 - 0.92(Weight Loss By TGA)] x [95.88(HPLC Purity)]/100 = 95 %

-Re-tested on 07.03.2025

**Recommendation**

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		07/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		07/05/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, IR and TGA