

# CERTIFICATE OF ANALYSIS

(Certificate No. KMH003012-01)

Release Date: 21/07/2023

Re-test Date: 20/07/2026

## Hydrochlorothiazide EP Impurity C

### Identification

**Chemical Name :**

6-Chloro-N-[(6-chloro-7-sulfamoyl-2,3-dihydro-4H-1,2,4-benzothiadiazin-4-yl 1,1-dioxide)methyl]-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide ;

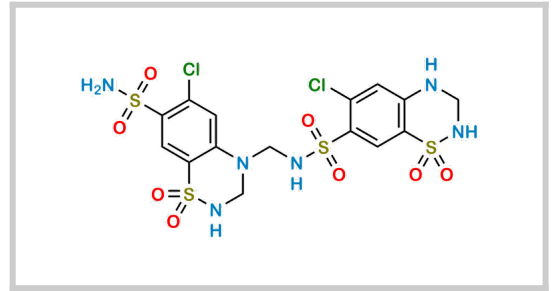
**Alt. Name** : Hydrochlorothiazide Dimer

**CAT No.** : KMH003012

**CAS No.** : 402824-96-8

**Molecular Formula** : C<sub>15</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>8</sub>S<sub>4</sub>

**Molecular Weight** : 607.5



### Analytical Information

**Batch No.** : HYD-DIMER-019-156

**Description** : White Solid

**HPLC Purity** : 94.28 %

**Weight Loss By TGA** : 0.35 %

**% Potency** : 93.95 %

**Solubility** : DMSO

**Mass** : Confirm

**IR** : Confirm

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

### 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 - 0.35(Weight Loss By TGA)] x [94.28(HPLC Purity)]/100 = 93.95 %

Remarks : COA Re-generated on 14.11.2024

-Re-tested on 21.07.2023

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		14/11/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		14/11/2024

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