

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT017016-01)

Release Date: 10/03/2025

Re-test Date: 09/03/2028

## Trazodone EP Impurity C (HCl)

### Identification

**Chemical Name :**

2-[3-[4-(4-chlorophenyl)piperazin-1-yl]propyl][1,2,4]triazolo[4,3-a]pyridin-3(2H)-one hydrochloride

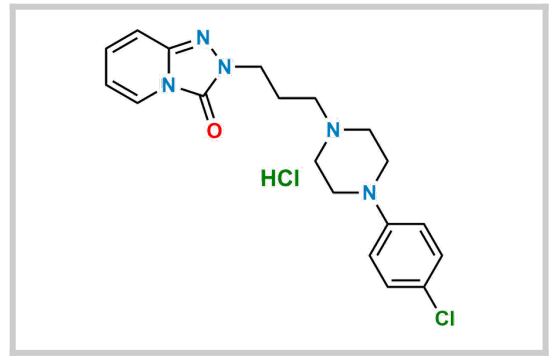
**Alt. Name** : Trazodone USP Related compound C  
HCl ; Trazodone 4-Chloro Analog

**CAT No.** : KMT017016

**CAS No.** : 1263278-77-8

**Molecular Formula** : C<sub>19</sub>H<sub>22</sub>ClN<sub>5</sub>O : HCl

**Molecular Weight** : 371.9 : 36.5



### Analytical Information

**Batch No.** : TRA-RC-C-030-118

**Description** : Off white solid

**HPLC Purity** : 98.96 %

**Weight Loss By TGA** : 1.63 %

**% Potency** : 97.35 %

**Solubility** : Acetonitrile

**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 - 1.63(Weight Loss By TGA)] x [98.96(HPLC Purity)]/100 = 97.35 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		10/03/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		10/03/2025

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