

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT017012-01)

Release Date: 14/10/2022

Re-test Date: 13/10/2025

## Trazodone N-Oxide

### Identification

**Chemical Name :**

4-(3-chlorophenyl)-1-[3-(3-oxo-2,3-dihydro[1,2,4]triazolo[4,3-a]pyridin-2-yl)propyl]piperazine 1-oxide (as per EP) ; 4-(3-Chlorophenyl)-1-[3-(3-oxo-[1,2,4]triazolo[4,3-a]pyridin-2(3H)-yl)propyl]piperazine 1-oxide (as per USP)

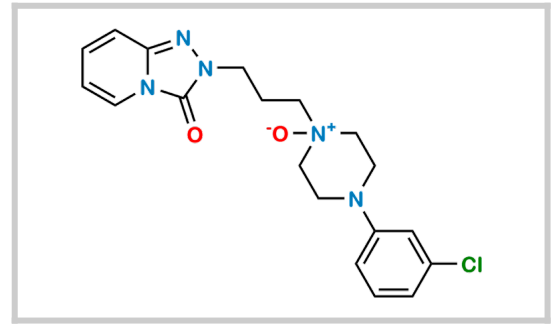
**Alt. Name** : Trazodone N-Oxide (USP)

**CAT No.** : KMT017012

**CAS No.** : 55290-68-1

**Molecular Formula** : C<sub>19</sub>H<sub>22</sub>ClN<sub>5</sub>O<sub>2</sub>

**Molecular Weight** : 387.9



### Analytical Information

**Batch No.** : TRA-N-OXIDE-030-301

**Description** : Off White Solid

**HPLC Purity** : 99.25 %

**Weight Loss By TGA** : 2.14%

**% Potency** : 97.13 %

**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 - 2.14(Weight Loss By TGA)] x [99.25(HPLC Purity)]/100 = 97.13 %

Remarks : COA Re-generated on 16.10.2024

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		16/10/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		16/10/2024

**Attachments** : COA, HPLC, MASS, 1HNMR, IR and TGA