

# CERTIFICATE OF ANALYSIS

(Certificate No. KMT017017-02)

Release Date: 24/03/2025

Re-test Date: 23/03/2028

## Trazodone Related compound D

### Identification

**Chemical Name :**

2-[3-[4-(3-bromophenyl)piperazin-1-yl]propyl][1,2,4]triazolo[4,3-a]pyridin-3(2H)-one hydrochloride (as per EP & USP)

**Alt. Name**

: Trazodone USP Related compound D  
; Trazodone Bromo Analog

**CAT No.**

: KMT017017

**CAS No.**

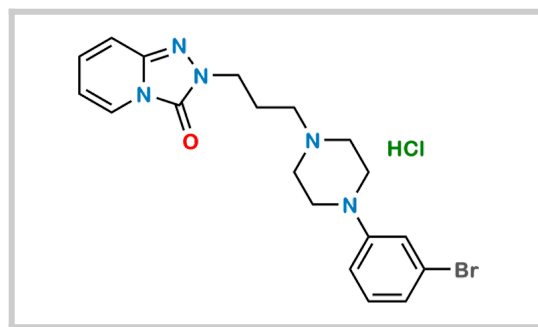
: 1263278-80-3

**Molecular Formula**

: C<sub>19</sub>H<sub>22</sub>BrN<sub>5</sub>O : HCl

**Molecular Weight**

: 416.3 : 36.5



### Analytical Information

**Batch No.**

: TRA-RC-D-030-117

**Solubility**

: Methanol

**Description**

: Off White solid

**Mass**

: Confirm

**HPLC Purity**

: 99.55 %

**IR**

: Confirm

**Weight Loss By TGA**

: 2.28 %

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

: Confirm

**% Potency**

: 97.28 %

### 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 - 2.28(Weight Loss By TGA)] x [99.55(HPLC Purity)]/100 = 97.28 %

**Recommendation**

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		04/04/2025
Reviewed & Approved By	Quality Control	Jatin Patel		04/04/2025

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