

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.

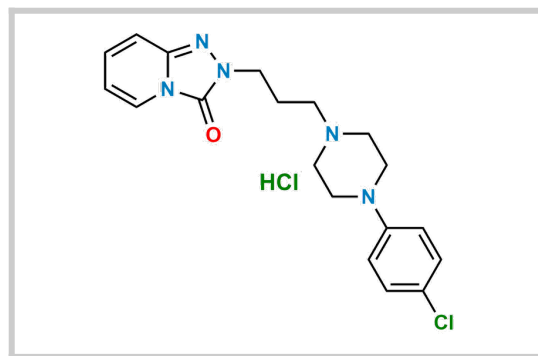
: 1263278-77-8

Molecular Formula

: C₁₉H₂₂ClN₅O : HCl

Molecular Weight

: 371.9 : 36.5



Analytical Information

Batch No.

: TRA-RC-C-030-118

Solubility

: Acetonitrile

Description

: Off white solid

Mass

: Confirm

HPLC Purity

: 98.96 %

IR

: Confirm

Weight Loss By TGA

: 1.63 %

¹H NMR

: Confirm

% Potency

: 97.35 %

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
Prepared By	Analytical	Jignesh Patel		10/03/2025
Reviewed & Approved By	Quality Control	Jatin Patel		10/03/2025

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