

CERTIFICATE OF ANALYSIS

(Certificate No. KMZ002003-01)

Release Date: 03/08/2024

Re-test Date: 02/08/2027

PBT FREE BASE

Identification

Chemical Name :

3-piperazin-1-yl-1,2-benzisothiazole

Alt. Name

: Ziprasidone USP Related Compound A

CAT No.

: KMZ002003

CAS No.

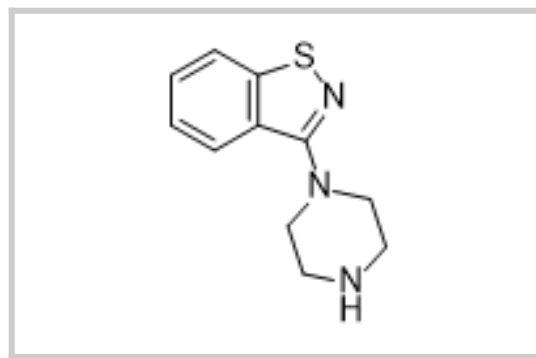
: 87691-87-0

Molecular Formula

: C₁₁H₁₃N₃S

Molecular Weight

: 219.31



Analytical Information

Batch No.

: ZIP-RCA-073-315

Solubility

: ACN

Description

: Light Yellow Solid

Mass

: Confirm

HPLC Purity

: 99.98 %

IR

: Confirm

Weight Loss By TGA

: 2.70

¹H 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 = $[100 - 2.70(\text{Weight Loss By TGA})] \times [99.98(\text{HPLC Purity})]/100 = 97.28 \%$

Recommendation

: Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		03/08/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA