

# 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

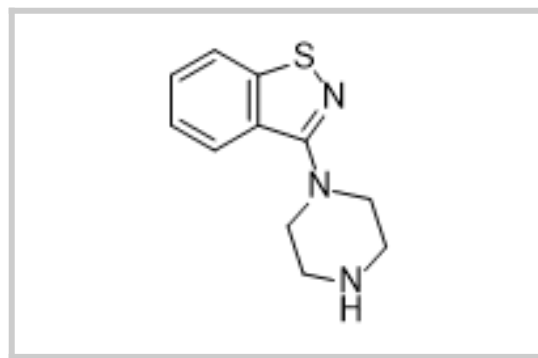
**Alt. Name** : Ziprasidone USP Related Compound  
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**CAT No.** : KMZ002003

**CAS No.** : 87691-87-0

**Molecular Formula** : C<sub>11</sub>H<sub>13</sub>N<sub>3</sub>S

**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

**<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 - 2.70(Weight Loss By TGA)] x [99.98(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, <sup>1</sup>HNMR, IR and TGA