

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV003082-01)

Release Date: 26/03/2025

Re-test Date: 25/03/2028

## 1-(2-((2,4-dimethylphenyl) thio) phenyl)piperazine hydrochloride

### Identification

**Chemical Name :**

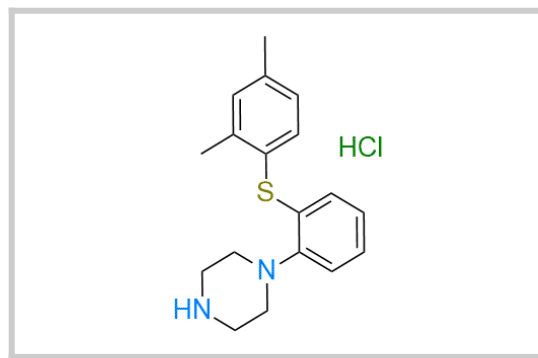
1-(2-((2,4-dimethylphenyl) thio) phenyl)piperazine hydrochloride

**CAT No.** : KMV003082

**CAS No.** : 960203-28-5

**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>S : HCl

**Molecular Weight** : 298.4 : 36.5



### Analytical Information

**Batch No.** : V003082-091-288

**Description** : White Solid

**HPLC Purity** : 99.97 %

**Weight Loss By TGA** : 3.70 %

**% Potency** : 96.27 %

**Solubility** : Methanol

**Mass** : Confirm

**IR** : Confirm

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

**<sup>13</sup>C 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 - 3.70(Weight Loss By TGA)] x [99.97(HPLC Purity)]/100 = 96.27 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		27/03/2025
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		27/03/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA