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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2024

Re-test Date: Sep 2027

**Product Name: Trazodone EP Impurity G**

### Identification:

Chemical Name: 1-(3-Chlorophenyl)-4-[3-(2-methylpropoxy)propyl]piperazine (as per EP)

Synonyms : Trazodone Isobutyl Ether Analog

CAS Number : 2470436-00-9

CAT Number : CP-T29007

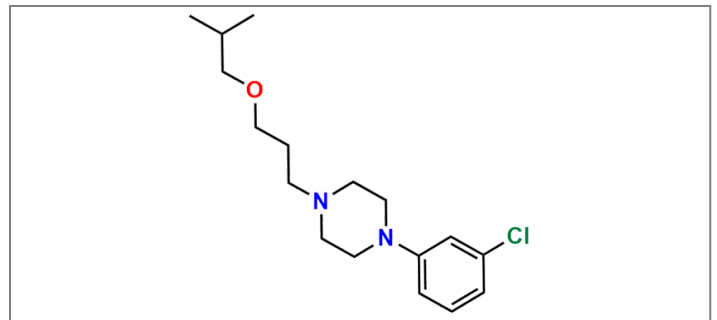
Molecular Formula : C<sub>17</sub>H<sub>27</sub>ClN<sub>2</sub>O

Molecular Weight : 310.87

Batch Number : CP-TRA-G-1024

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Pale Yellow to Light Brown Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.12%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	1.747%
9)	Potency by TGA	96.40%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.