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## CERTIFICATE OF ANALYSIS

Analysis Date:

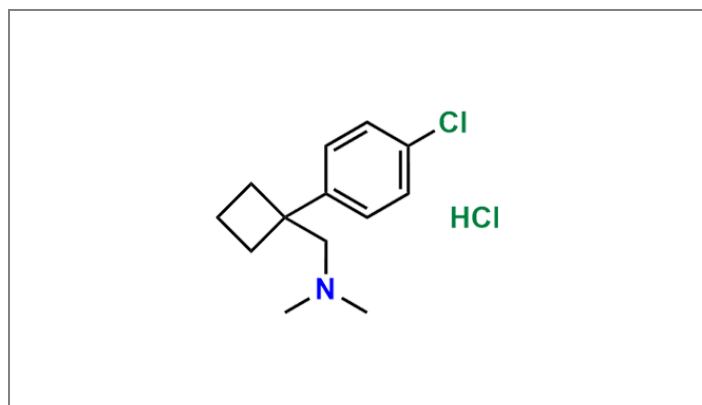
Re-test Date:

**Product Name: Sibutramine Impurity 1**

### Identification:

Chemical Name: 1-(1-(4-Chlorophenyl)cyclobutyl)-N,N-dimethylmethanamine Hydrochloride

Synonyms : NA  
CAS Number : 2518198-74-6  
CAT Number : CP-S51016  
Molecular Formula : C<sub>13</sub>H<sub>18</sub>ClN : HCl  
Molecular Weight : 223.74 : 36.46



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



**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.