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## CERTIFICATE OF ANALYSIS

Analysis Date:

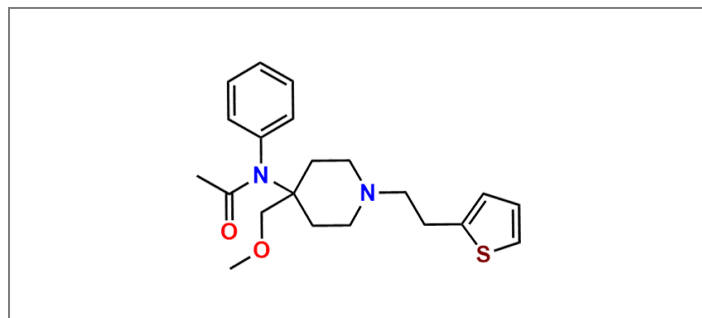
Re-test Date:

**Product Name: Sufentanil Citrate EP Impurity D**

### Identification:

Chemical Name: N-[4-(Methoxymethyl)-1-[2-(thiophen-2-yl)ethyl]piperidin-4-yl]-N-phenylacetamide, (as per EP)

Synonyms : NA  
CAS Number : 2250243-42-4  
CAT Number : CP-S35004  
Molecular Formula : C<sub>21</sub>H<sub>28</sub>N<sub>2</sub>O<sub>2</sub>S  
Molecular Weight : 372.53



### 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.