

Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,  
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank  
Navi Mumbai 410208, MH, INDIA. Email- [info@chemicea.com](mailto:info@chemicea.com) Mob- +91 9284897978

## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

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

### Identification:

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

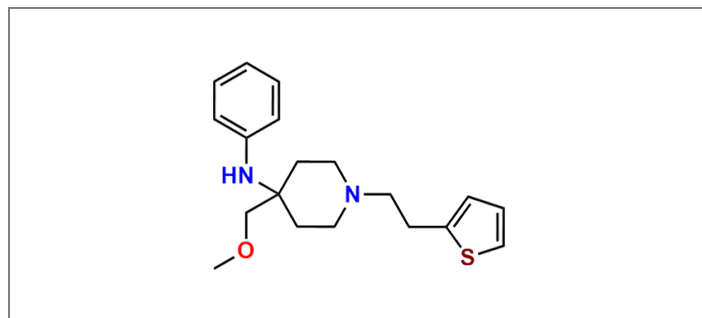
Synonyms : NA

CAS Number : 72996-73-7

CAT Number : CP-S35005

Molecular Formula : C<sub>19</sub>H<sub>26</sub>N<sub>2</sub>O<sub>2</sub>S

Molecular Weight : 330.49



### 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.