

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: Mar 2025

Re-test Date: Feb 2028

**Product Name: Loperamide EP Impurity E**

### Identification:

Chemical Name: 1,4-bis(4-(4-chlorophenyl)-4-hydroxypiperidin-1-yl)-2,2-diphenylbutan-1-one

Synonyms : NA

CAS Number : 1426322-82-8

CAT Number : CP-L22005

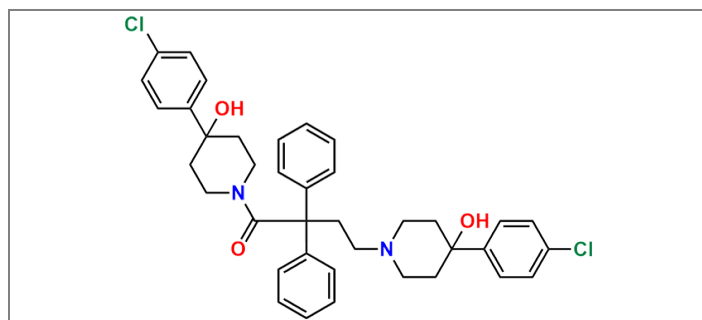
Molecular Formula : C<sub>38</sub>H<sub>40</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight : 643.7

Batch Number : CP-LOP-E-0325

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	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	97.97 %
5)	<sup>1</sup> HNMR	Confirm to Structure
6)	IR	Confirm to Structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

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