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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Loperamide EP Impurity F

Identification:

Chemical Name: (1r,4r)-4-(4-chlorophenyl)-1-[4-(N,N-dimethylamino)-3,3-diphenyl-4-oxobutyl]-4-hydroxypiperazine 1-oxide

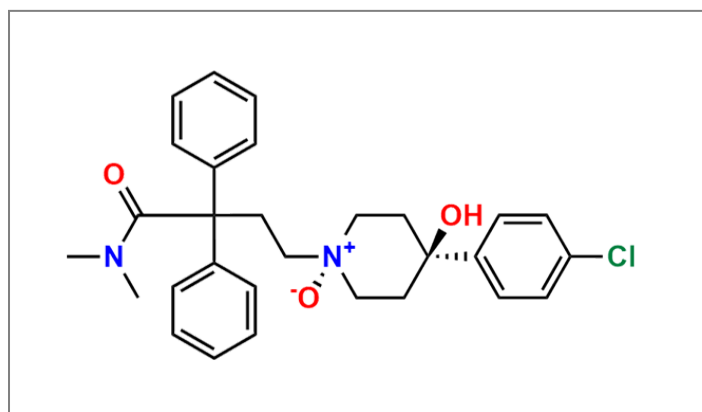
Synonyms: : Loperamide Trans-N-Oxide ;
Loperamide USP Related
Compound F

CAS Number: : 106900-12-3

CAT Number: : CP-L22006

Molecular Formula: : C₂₉H₃₃ClN₂O₃

Molecular Weight: : 493.04



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.