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CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2023

Re-test Date: Jul 2026

Product Name: Tramadol EP impurity E

Identification:

Chemical Name: (2RS)-2-[(dimethylamino)methyl]cyclohexan-1-one (as per EP)

Synonyms : Tramadol USP Related
Compound B

CAS Number : 15409-60-6

CAT Number : CP-T28005

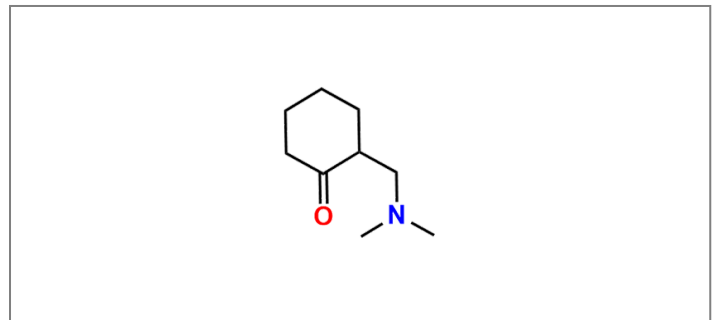
Molecular Formula : C₉H₁₇NO

Molecular Weight : 155.2

Batch Number : CP-TRA-E-0823

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	White to Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.32%
5)	H1NMR	Confirm to structure
6)	13CNMR	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.