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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**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

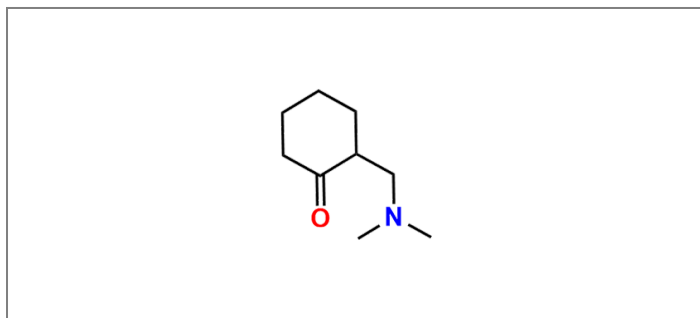
CAT Number : CP-T28005

Molecular Formula : C<sub>9</sub>H<sub>17</sub>NO

Molecular Weight : 155.2

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	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> HNMR	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.