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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Tramadol EP Impurity A**

### Identification:

Chemical Name: (1R,2SR)-2-[(dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexan-1-ol hydrochloride (as per EP)

Synonyms : Tramadol USP Related  
Compound A

CAS Number : 152538-36-8

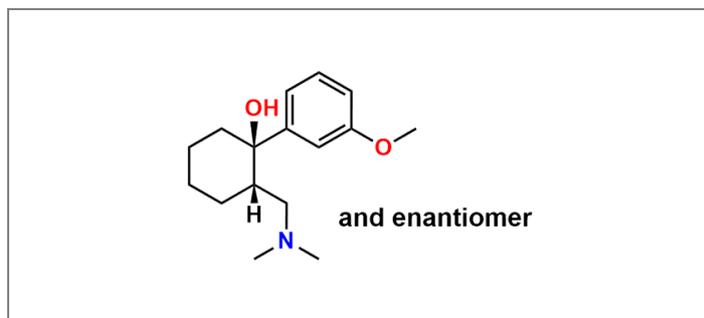
CAT Number : CP-T28001

Molecular Formula : C<sub>16</sub>H<sub>25</sub>NO<sub>2</sub>

Molecular Weight : 263.38

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.