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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2024

Re-test Date: Apr 2027

**Product Name: Lidocaine EP Impurity I**

### Identification:

Chemical Name: 2-(Diethylamino)-N-(2,4-dimethylphenyl)acetamide Hydrochloride

Synonyms : Lidocaine 2,4-Dimethyl Analog

CAS Number : 17289-54-2

CAT Number : CP-L20009

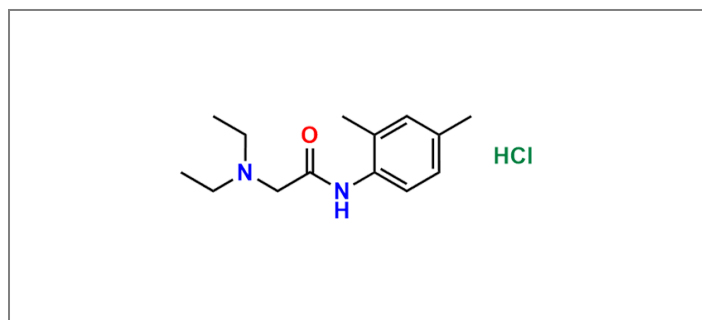
Molecular Formula : C<sub>14</sub>H<sub>22</sub>N<sub>2</sub>O : HCl

Molecular Weight : 234.34 : 36.46

Batch Number : CP-LID-I-0524

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	Light Brown to Brown Liquid
2)	Solubility	Soluble in DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	92.67%
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.