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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Dexmedetomidine hydrochloride**

#### Identification:

Chemical Name: (S)-4-(1-(2,3-dimethylphenyl)ethyl)-1H-imidazole hydrochloride

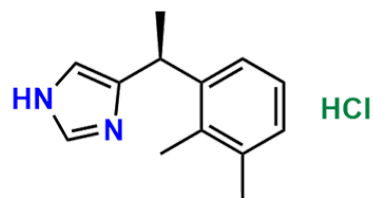
Synonyms : Medetomidine (S)-Isomer

CAS Number : 145108-58-3

CAT Number : CP-M8021

Molecular Formula : C<sub>13</sub>H<sub>16</sub>N<sub>2</sub> : HCl

Molecular Weight : 200.29 : 36.46



#### 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.