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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Papaverine Hydrochloride (In House Standard)**

#### Identification:

Chemical Name: 1-(3,4-Dimethoxybenzyl)-6,7-dimethoxyisoquinoline hydrochloride (As per EP) ; Isoquinoline, 1-[(3,4-dimethoxyphenyl)methyl]-6,7-dimethoxy-, hydrochloride (as per USP)

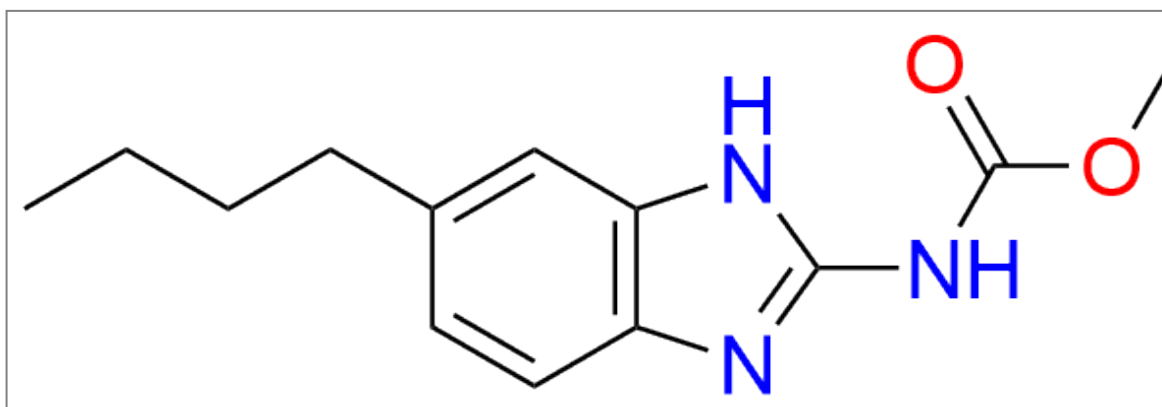
Synonyms : NA

CAS Number : 61-25-6

CAT Number : CP-P47000

Molecular Formula : C<sub>20</sub>H<sub>21</sub>NO<sub>4</sub> : HCl

Molecular Weight : 339.39 : 36.5



#### 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	>98%
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.