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## CERTIFICATE OF ANALYSIS

Analysis Date:

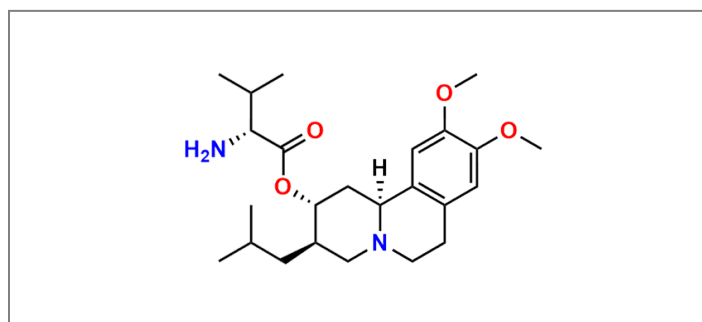
Re-test Date:

**Product Name: Tetrabenazine Related Impurity 23 (2R, 3R, 11bS, D-Val)**

### Identification:

Chemical Name: (2R,3R,11bS)-3-isobutyl-9,10-dimethoxy-1,3,4,6,7,11b-hexahydro-2H-pyrido[2,1-a]isoquinolin-2-yl D-valinate

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-T104067  
Molecular Formula : C<sub>24</sub>H<sub>38</sub>N<sub>2</sub>O<sub>4</sub>  
Molecular Weight : 418.58



### 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.