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## CERTIFICATE OF ANALYSIS

Analysis Date:

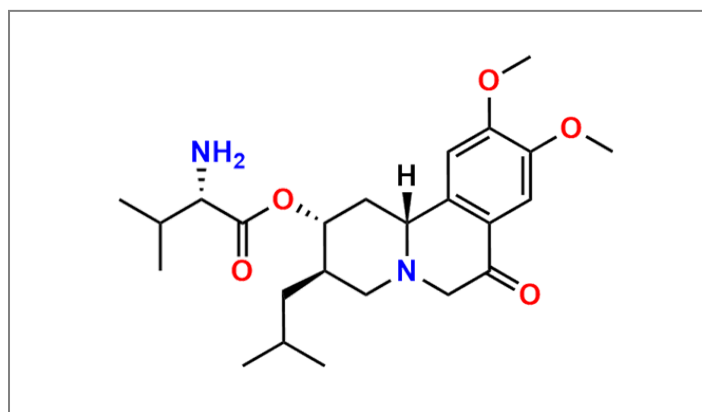
Re-test Date:

**Product Name: Valbenazine Impurity 5**

### Identification:

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

Synonyms : NA  
CAS Number : 2624055-87-2  
CAT Number : CP-V37003  
Molecular Formula : C<sub>24</sub>H<sub>36</sub>N<sub>2</sub>O<sub>5</sub>  
Molecular Weight : 432.56



### 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.