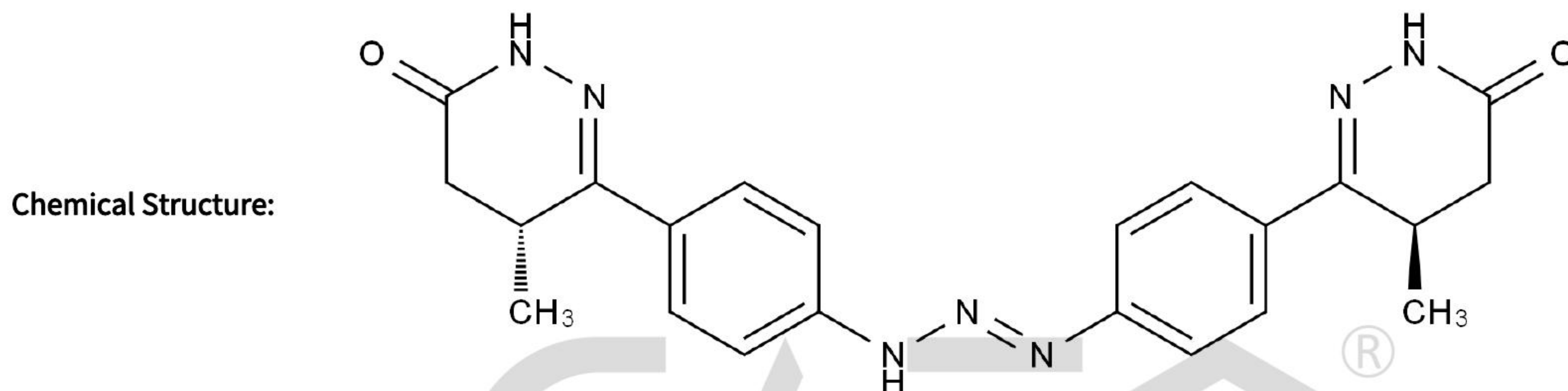


# Certificate of Analysis

## Reference Material

|                    |                                                               |                   |                                           |
|--------------------|---------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | Levosimendan Impurity 10                                      | Catalogue Number: | C4X-130810                                |
| Chemical Name:     | N/A                                                           | Lot Number:       | 1208-RD-0019                              |
| CAS Number:        | N/A                                                           | Expiry Date:      | Dec 12, 2025                              |
| Molecular Formula: | C <sub>22</sub> H <sub>23</sub> N <sub>7</sub> O <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 417.46                                                        |                   |                                           |



| Test Items        | Method            | Results       |
|-------------------|-------------------|---------------|
| Appearance        | Visual inspection | Yellow Powder |
| Identification    | LCMS&HNMR         | Confirmed     |
| Purity            | HPLC              | 99.868%       |
| Residual Solvents | NMR               | Ethyl acetate |
| Loss On Drying    | TGA               | 0.2868%       |
| Assay             |                   | 99.6%         |

## Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

*Hinlam*

Aporoved by General manager:

*David*

Date: Dec 13, 2022

Date: Dec 13, 2022

Date: Dec 13, 2022

