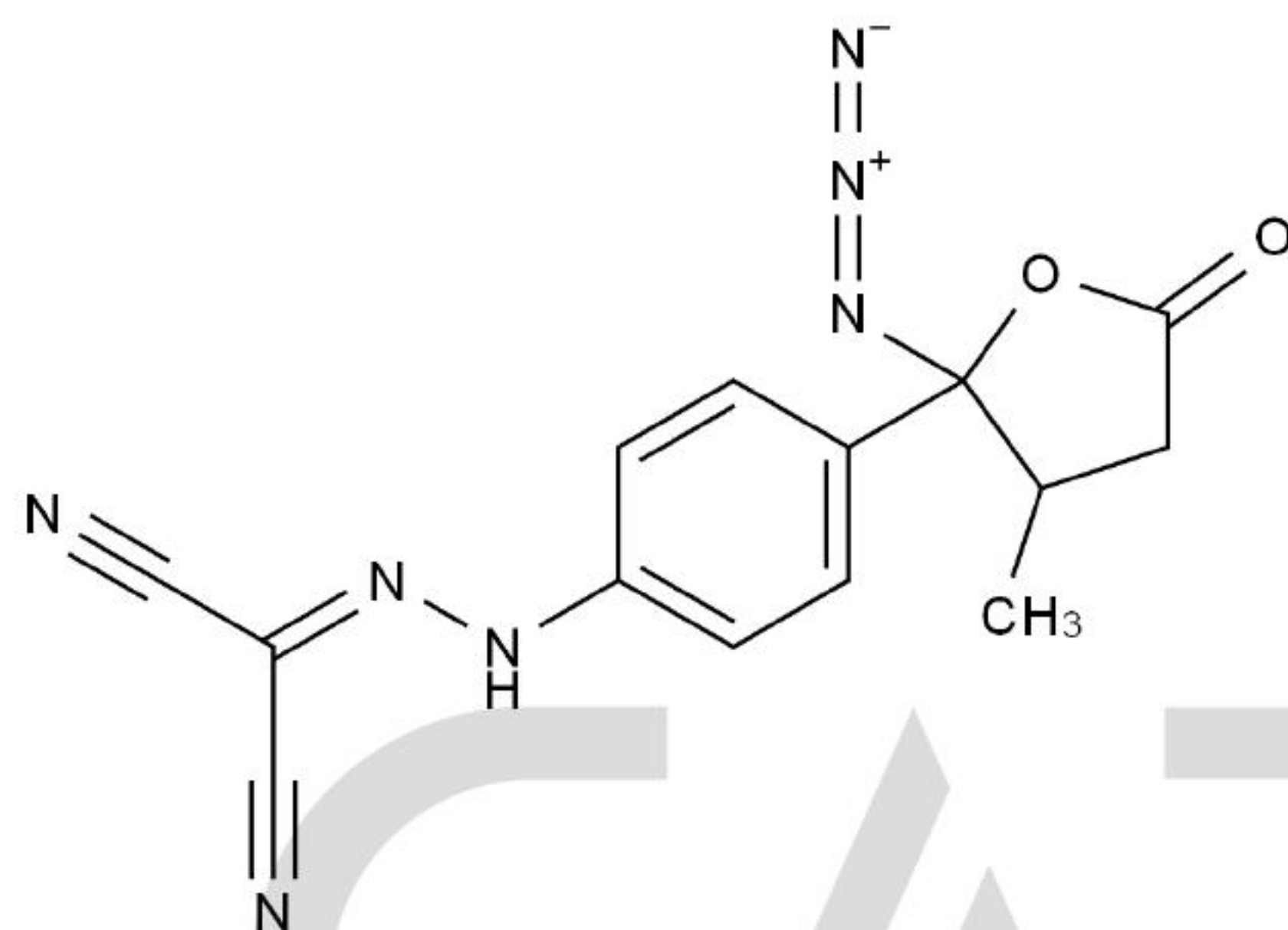


Certificate of Analysis

Reference Material

Product Name:	Levosimendan Impurity 1	Catalogue Number:	C4X-13081
Chemical Name:	N/A	Lot Number:	0516-RE-0065
CAS Number:	252638-01-0	Expiry Date:	May 22, 2026
Molecular Formula:	C ₁₄ H ₁₁ N ₇ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	309.28		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.202%
Loss On Drying	TGA	0.1051%
Assay		98.1%

Comment:

1. Isomer Mixture
2. 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:

Yuki

Reviewed by:

Nacy

Aporoved by General manager:

David

Date: May 23, 2023

Date: May 25, 2023

Date: May 25, 2023

