## **Certificate of Analysis**

## **Nitrocefin**

Cat. No.: HY-108913
CAS No.: 41906-86-9
Batch No.: 323815

Chemical Name: 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[(1E)-2-(2,4-dinitrophenyl)ethenyl]-8-ox

o-7-[(2-thienylacetyl)amino]-, (6R,7R)-

## PHYSICAL AND CHEMICAL PROPERTIES

 $\label{eq:control_of_control} \mbox{Molecular Formula:} \qquad \qquad \mbox{$C_{21}$H$}_{16}\mbox{$N_{4}$O$}_{8}\mbox{$S_{2}$}$ 

Molecular Weight: 516.50

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: Yellow to orange (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 92.27%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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