

## **Certificate of Analysis**

## Ceftobiprole

Cat. No.: HY-112579

CAS No.: 209467-52-7

Batch No.: 354670

Chemical Name: 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2Z)-2-(5-amino-1,2,4-thiadiazol-3-yl)-

2-(hydroxyimino)acetyl]amino]-8-oxo-3-[(E)-[(3'R)-2-oxo[1,3'-bipyrrolidin]-3-ylidene]methyl]-, (6

R,7R)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>20</sub>H<sub>22</sub>N<sub>8</sub>O<sub>6</sub>S<sub>2</sub>

Molecular Weight: 534.57

Storage: Powder -20°C 3 years

4°C 2 years

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: Light yellow to yellow (Solid)

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

MS: Consistent with structure

Purity (HPLC): 96.44%

**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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<sup>\*</sup> The compound is unstable in solutions, freshly prepared is recommended.