Certificate of Analysis

Ceftiofur (sodium)

Cat. No.: HY-B0898

CAS No.: 104010-37-9

Batch No.: 337169

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

xyimino)acetyl]amino]-3-[[(2-furanylcarbonyl)thio]methyl]-8-oxo-, sodium salt (1:1), (6R,7R)-

PHYSICAL AND CHEMICAL PROPERTIES

 $\label{eq:molecular Formula: C19H16N5NaO7S3} \mbox{Molecular Formula: } \mbox{C}_{19}\mbox{H}_{16}\mbox{N}_{5}\mbox{NaO7S}_{3}$

Molecular Weight: 545.54

Storage: 4°C, sealed storage, away from moisture

* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:

ANALYTICAL DATA

Appearance: White to light yellow (Solid)

¹ H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 98.03%

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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA