Certificate of Analysis

Cefoperazone (sodium salt)

Cat. No.: HY-B0210A
CAS No.: 62893-20-3
Batch No.: 252826

Chemical Name: 5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[[(2R)-2-[[(4-ethyl-2,3-dioxo-1-piperazin

yl)carbonyl]amino]-2-(4-hydroxyphenyl)acetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]meth

yl]-8-oxo-, sodium salt (1:1), (6R,7R)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₂₅H₂₆N₉NaO₈S₂

Molecular Weight: 667.65

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 off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 99.72%

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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