Certificate of Analysis

Vinorelbine (ditartrate)

Cat. No.: HY-12053A

CAS No.: 125317-39-7

Batch No.: 279819

Chemical Name: Aspidospermidine-3-carboxylic acid, 4-(acetyloxy)-6,7-didehydro-15-[(2R,6R,8S)-4-ethyl-1,3,6,7,

8,9-hexahydro-8-(methoxycarbonyl)-2,6-methano-2H-azecino[4,3-b]indol-8-yl]-3-hydroxy-16-m ethoxy-1-methyl-, methyl ester, $(2\beta,3\beta,4\beta,5\alpha,12R,19\alpha)$ -, (2R,3R)-2,3-dihydroxybutanedioate (1:2

) (salt)

PHYSICAL AND CHEMICAL PROPERTIES

 $\label{eq:molecular-formula:} $C_{53}H_{66}N_4O_{20}$$ Molecular Weight: 1079.11

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

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

light)

Chemical Structure:

ANALYTICAL DATA

Appearance: White to off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (LCMS): 99.15%

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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