

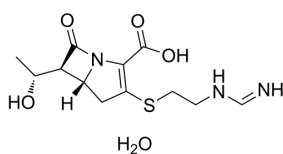
Imipenem (monohydrate)

Cat. No.: HY-B1369
 CAS No.: 74431-23-5
 Batch No.: 91445
 Chemical Name: 1-Azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 6-[(1R)-1-hydroxyethyl]-3-[[2-[(iminomethyl)amino]ethyl]thio]-7-oxo-, hydrate (1:1), (5R,6S)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{12}H_{19}N_3O_5S$
 Molecular Weight: 317.36
 Storage: Powder -20°C 3 years
 * The compound is unstable in solutions, freshly prepared is recommended.

Chemical Structure:



ANALYTICAL DATA

Appearance: Yellow to brown (Solid)
 1H NMR Spectrum: Consistent with structure
 MS: Consistent with structure
 Purity (HPLC): 99.18%
 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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