

## Product Datasheet

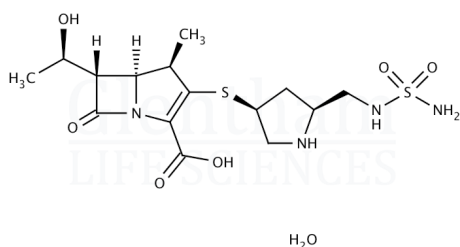
### GA9212 - Doripenem

#### Product Details

Product Name	Doripenem
Glentham Code	GA9212
CAS Number	148016-81-3
MDL Number	MFCD09749887
Bellstein Registry Number	15340136
Additional CAS	364622-82-2
PubChem SID	310272409
Related Categories	APIs, Antibiotics, Biochemicals, Antimicrobials, Beta-Lactam Antibiotics

#### Structure

Molecular Weight : 420.50 (anhydrous)  
Molecular Formula :  $C_{15}H_{24}N_4O_6S_2 \cdot xH_2O$



#### Glentham Product Specification

Physical Description	: White to light-yellow or beige powder
Solubility (0.5% solution)	: Clear, colourless solution
Water (KF)	: $\leq 6.0\%$
Total Impurities	: $\leq 2.0\%$
Assay (HPLC)	: $\geq 98.0\%$ (anhydrous basis)
Identification (IR)	: To conform to standard
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	: $+32.0 - +38.0^\circ$ (c=1, water)
Residue on Ignition	: $\leq 0.1\%$
Version	: v1.2

#### About Doripenem

Doripenem is a beta-lactam, broad-spectrum antibiotic within the carbapenem class. It is effective against both gram-negative and gram-positive bacteria and is most commonly used to treat more complex infections.

#### Storage

Recommended storage temperature:  $+4^\circ C$ .

#### Hazards and Transport

Not classified as hazardous under CLP.  
Not classified as dangerous for transport.

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