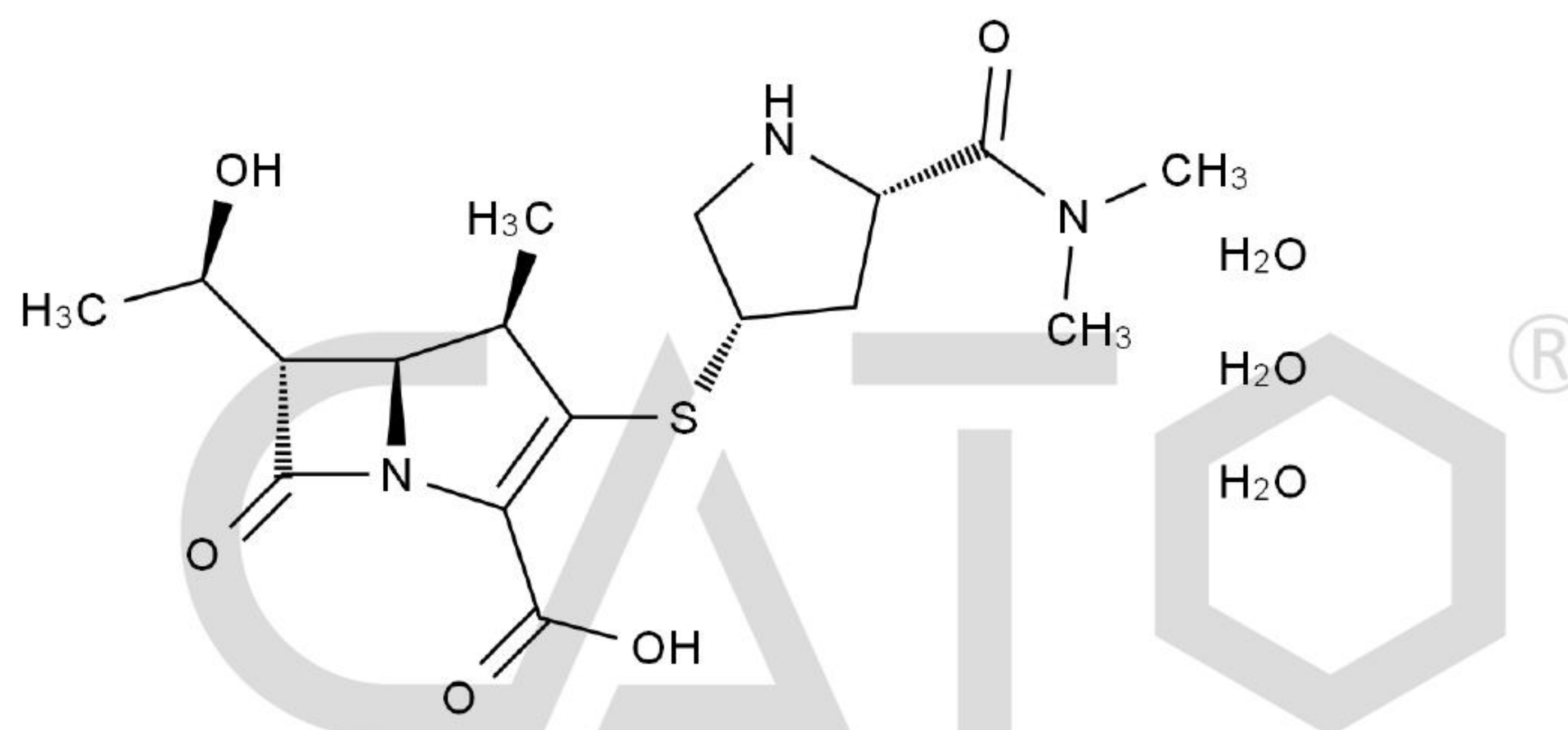


Certificate of Analysis

Reference Material & Standard

Product Name:	Meropenem Trihydrate	Catalogue Number:	C4X-1309
Synonyms:	N/A	Lot Number:	0324-RB-0016
CAS Number:	119478-56-7	Expiry Date:	Mar 04, 2030
Molecular Formula:	C ₁₇ H ₂₅ N ₃ O ₅ S 3*H ₂ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	383.46 3*18.02	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.952%
Residue on Ignition	TGA	0.08%
Loss On Drying	TGA	12.4753%
Loss On Drying(Free Water)		0.1193%
Assay		99.8%

Comment:

- The content of crystal water is 12.3560%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying(Free Water) are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 05, 2026

Date: Mar 05, 2026

Date: Mar 05, 2026



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