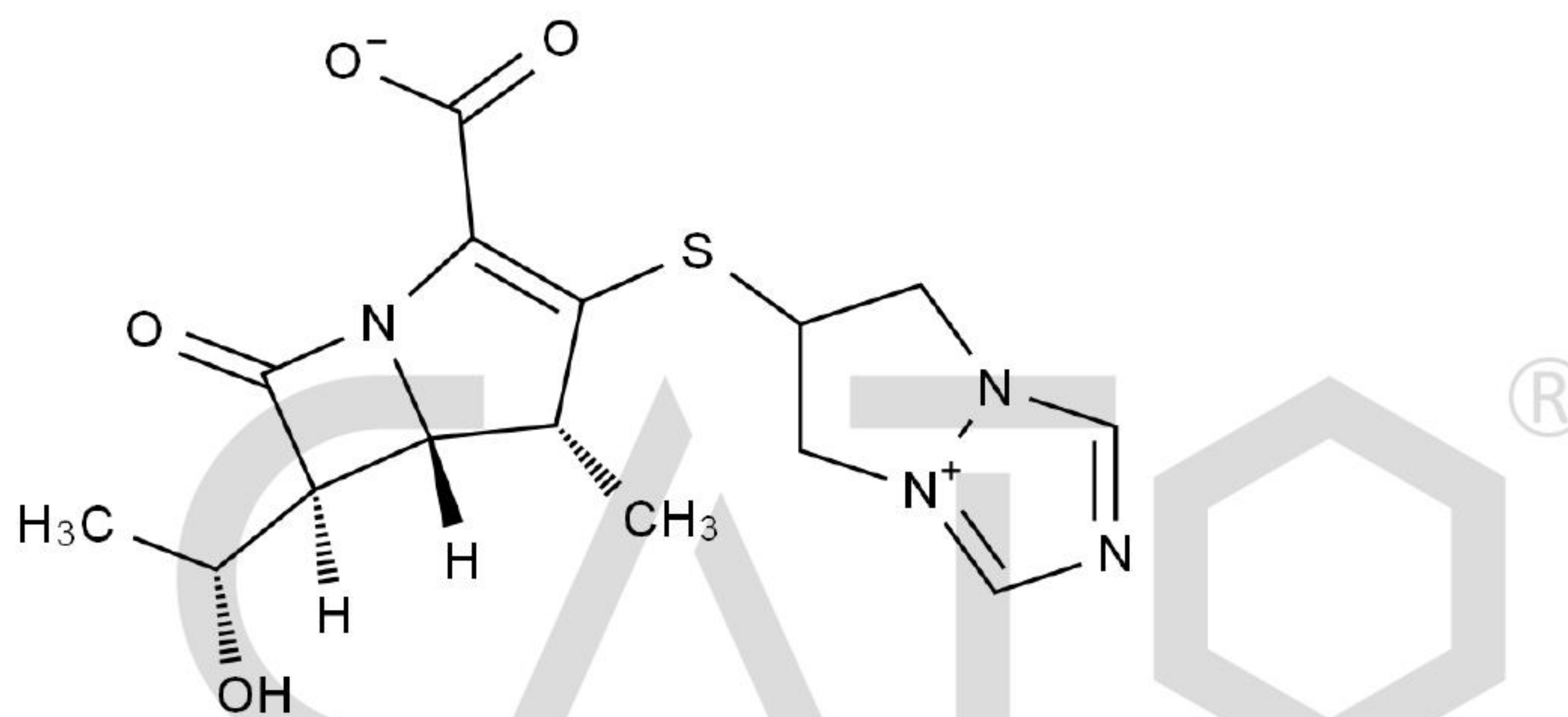


Certificate of Analysis

Reference Material & Standard

Product Name:	Biapenem	Catalogue Number:	C4X-2273
Synonyms:	N/A	Lot Number:	0305-RH-0056
CAS Number:	120410-24-4	Expiry Date:	Mar 04, 2030
Molecular Formula:	C ₁₅ H ₁₈ N ₄ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	350.39	Shipping Condition:	Shipping at Room Temperature
Solubility:	Water		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.809%
Residue on Ignition	TGA	0.1270%
Loss On Drying	TGA	0.0600%
Assay		99.6%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 05, 2026

Date: Mar 05, 2026

Date: Mar 05, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

