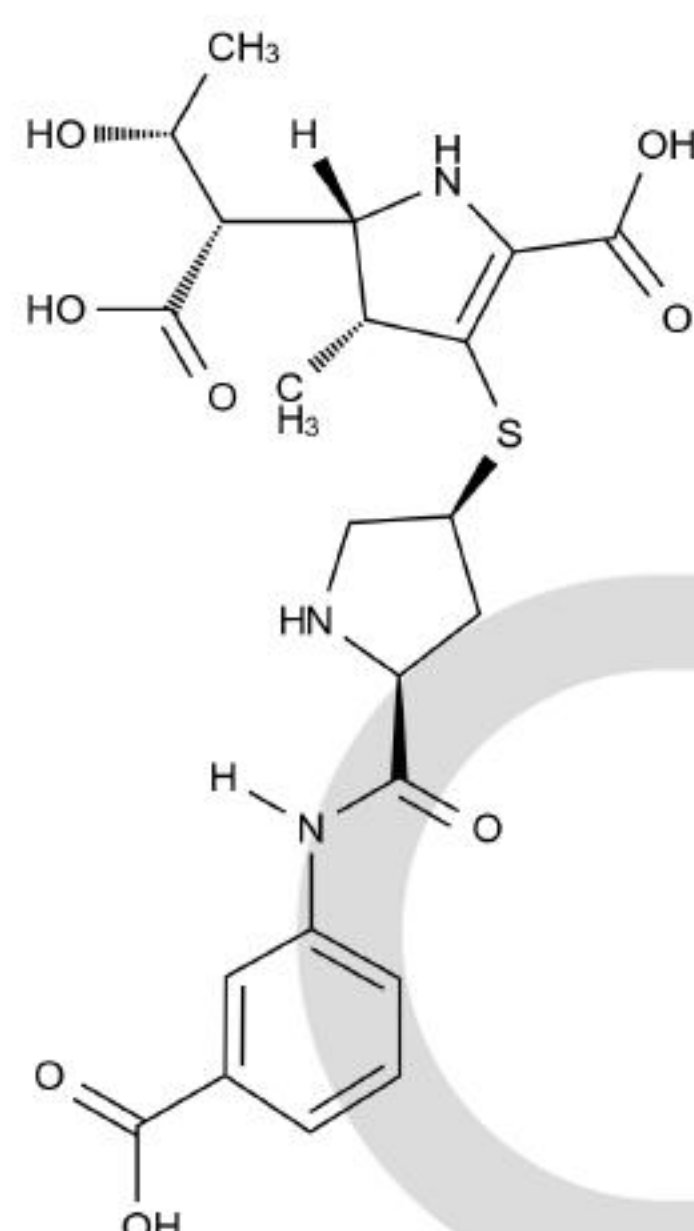


Certificate of Analysis

Reference Material & Standard

Product Name:	Ertapenem impurity 49	Catalogue Number:	C4X-163349
Synonyms:	N/A	Lot Number:	1031-RG-0021
CAS Number:	357154-27-9	Expiry Date:	Nov 02, 2029
Molecular Formula:	C ₂₂ H ₂₇ N ₃ O ₈ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	493.53	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.87%
Loss On Drying	TGA	7.0124%
Assay		91.0%

Comment:

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

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

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 03, 2025

Date: Nov 03, 2025

Date: Nov 03, 2025



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