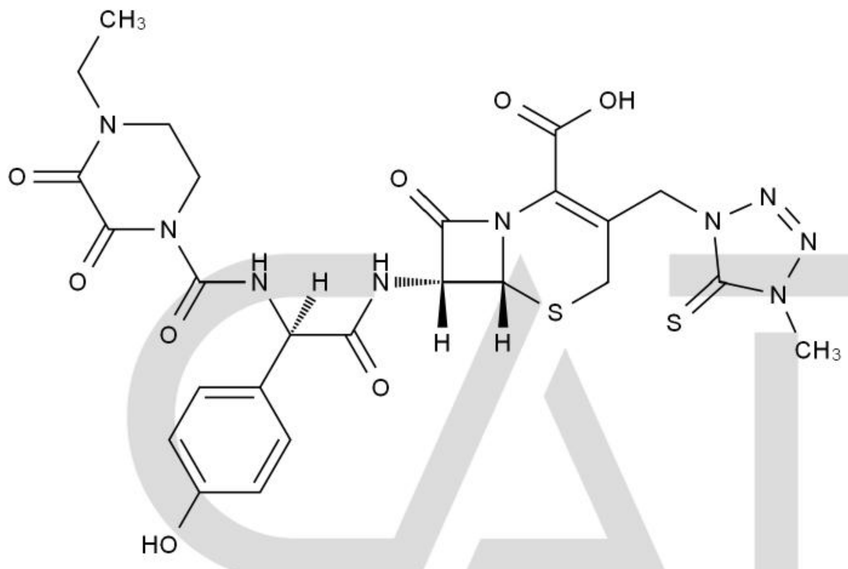
Certificate of Analysis

Reference Material & Standard

Product Name:	Cefoperazone EP Impurity B	**Catalogue Number:**	C4X-11491
Synonyms:	N/A	**Lot Number:**	0901-RH-0022
CAS Number:	711598-76-4	**Expiry Date:**	Jul 26, 2030
Molecular Formula:	$C_{25}H_{27}N_9O_8S_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	645.67	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.9%
Assay	qNMR	95.0%

CATO Research Chemicals Inc.

Signature:

Prepared by: Date: Sep 02, 2026

Reviewed by: Date: Sep 02, 2026

Approved by General Manager: Date: Sep 02, 2026

CATO Research Chemicals Inc.