Certificate of Analysis

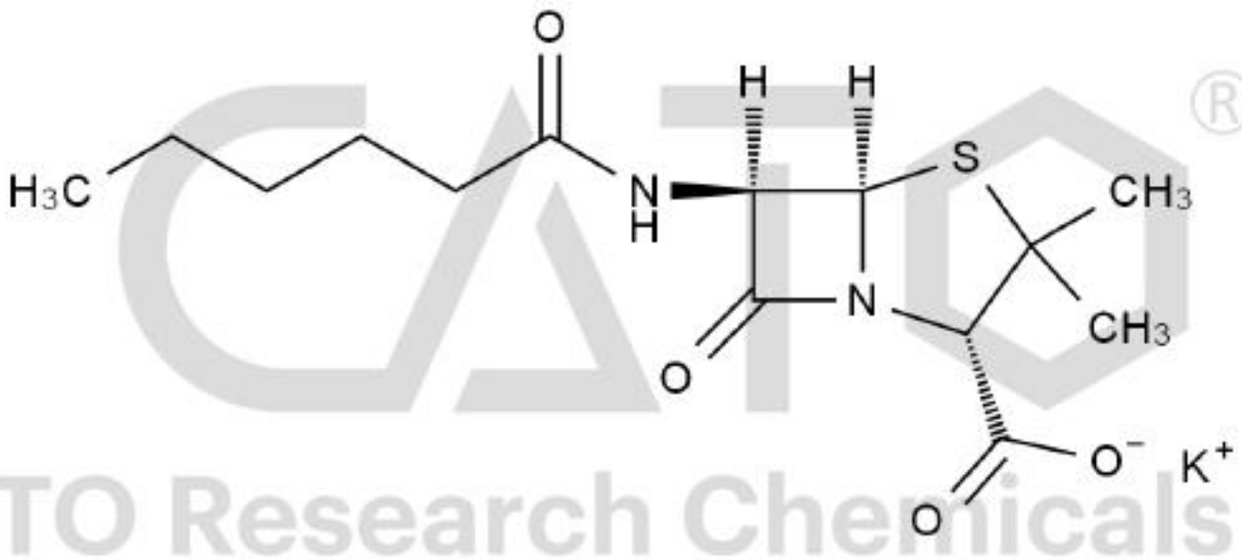
Reference Material & Standard

Product Name:	Benzylpenicillin Potassium EP Impurity I potassium salt	**Catalogue Number:**	C4X-189913
Synonyms:	Dihydropenicillin F Potassium Salt;Benzylpenicillin Sodium EP Impurity H potassium salt	**Lot Number:**	0101-SA-7022
CAS Number:	31447-86-6	**Expiry Date:**	Dec 31, 29
Molecular Formula:	$C_{14}H_{21}N_2O_4S\,K$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	313.39 39.10		

Warning:



Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	97.560%

Signature:

Prepared by: Lisa — Date: Jan 01, 26

Reviewed by: Yuki — Date: Jan 01, 26

Approved by General Manager: David — Date: Jan 01, 26

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Directions:

1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.

2. Minimum sample size: 1mg is recommended as the minimum sample size.

3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.

4. Instructions for handling and correct use: Handling in a well-ventilated place.

Document Version:

Revision No.	Date	Reason for Revision
01	Jan 01, 26	First release.

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