

CERTIFICATE OF ANALYSIS

(Certificate No. SZ-C041020-1346)

Analysis Date: 08/03/2022

Re-test Date: 07/03/2024

Lithium Clavulanate In-House Reference Standard

Identification

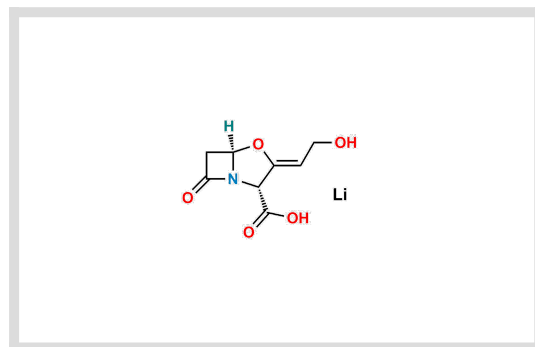
Chemical Name : (2R,5R,Z)-3-(2-Hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, lithium salt

CAT No. : SZ-C041020

CAS No. : 61177-44-4

Molecular Formula : C₈H₉NO₅ : Li

Molecular Weight : 199.2 : 6.9



Analytical Information

Batch Code : SRL-1134-068

Solubility : Mobile Phase A

Appearance of product : White Solid

Long Term Storage : 2-8 °C for long term storage

Weight Loss By TGA : 0.00 %

HPLC Purity : 98.75 %

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

¹³C NMR : Confirm

DEPT Analysis : Confirm

Additional Information

% Potency = [100 - 0.00 (Wt loss by TGA)] X [98.75 (HPLC Purity)] / 100 = 98.75 %

Mobile Phase A : Buffer, Buffer: 0.05 M NaH₂PO₄ in water pH-4.0 adjust with H₃PO₄

Elemental Analysis (Theoretical) : %C: 46.62 %H: 4.40 %N: 6.80 %S: 0.00

Elemental Analysis (Practical) : %C: 46.83 %H: 3.72 %N: 6.79 %S: 0.00

Recommendation : Released

Department

Signature

Date

Prepared and Reviewed by	Analytical		
Approved By	Quality Control		

Attachments : HPLC, Mass, ¹H NMR, IR, TGA, ¹³C NMR, DEPT, CHNS

Shipping Condition : All Products are stable to be shipped at room temperature, unless otherwise specified.