

CERTIFICATE OF ANALYSIS

(Certificate No. KMF064003-01)

Release Date: 06/10/2023

Re-test Date: 05/10/2026

FLUCLOXACILLIN IMPURITY A

Identification

Chemical Name :

(4S)-2-[Carboxy[[[3-(2-chloro-6-Fluorophenyl)-5-methylisoxazol-4-yl]carbonyl]amino]methyl]-5,5-Dimethylthiazolidine-4-Carboxylic Acid Disodium Salt

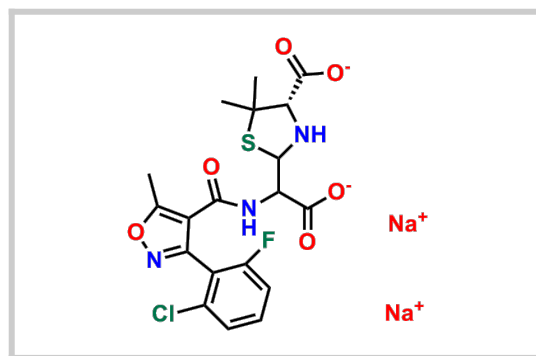
Alt. Name : penicilloic acids of flucloxacillin
Disodium Salt

CAT No. : KMF064003

CAS No. : 68728-50-7

Molecular Formula : C₁₉H₁₇ClFN₃O₆S : Na₂

Molecular Weight : 469.87 : 45.98



Analytical Information

Batch No. : SL-YSA-273-130

Description : White Solid

HPLC Purity : 99.98 %

Weight Loss By TGA : 2.45 %

% Potency : 97.53 %

Solubility : ACN : Water (50 : 50)

Mass : Confirm

IR : Confirm

¹H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 2.45(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 97.53 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		15/04/2026
Reviewed & Approved By	Quality Control	Jatin Patel		15/04/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA