

CERTIFICATE OF ANALYSIS

(Certificate No. KMC204017-01)

Release Date: 05/07/2022

Re-test Date: 04/07/2025

Clopidogrel Bisulphate Impurity C

Identification

Chemical Name :

Methyl (-)-(R)-(o-chlorophenyl)[6,7-dihydrothieno[3,2-c]pyridine-5(4H)-yl]acetate hydrogen sulfate ;

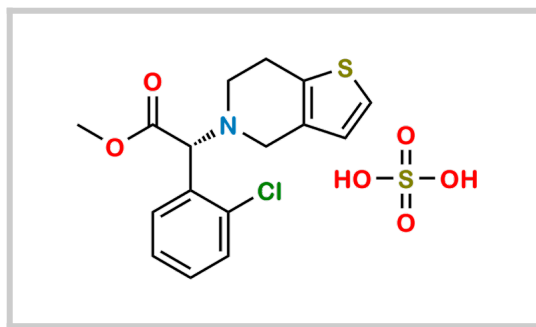
Alt. Name : Clopidogrel USP Related Compound C ; Clopidogrel Bisulfate R-Isomer

CAT No. : KMC204017

CAS No. : 120202-71-3

Molecular Formula : C₁₆H₁₆ClNO₂S · H₂O₄S

Molecular Weight : 321.8 : 98.1



Analytical Information

Batch No.	: CLP-C-22	Solubility	: Methanol
Description	: Off White Solid	Mass	: Confirm
HPLC Purity	: 96.83 %	IR	: Confirm
Weight Loss By TGA	: 1.12 %	¹H NMR	: Confirm
% Potency	: 95.75 %	¹³C 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 - 1.12(Weight Loss By TGA)] x [96.83(HPLC Purity)]/100 = 95.75 %
-¹³C NMR Analysis added on 28.02.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		28/02/2025

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA