

CERTIFICATE OF ANALYSIS

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1. Identification

Structure:

Catalogue C587252 CAS 1219274-96-0 Number: Number:

> Synonym: a-(2-Chlorophenyl-d4)-6,7-dihydro-

rac Clopidogrel-d4 Hydrogen Sulfate thieno[3,2-c]pyridine-5(4H)-acetic Acid Methyl

H₂SO₄

Ester Sulfate; (+/-)-Clopidogrel-d4 Bisulfate;

6/12/2026

.OMe

Molecular Formula: C16H14D4CINO6S2

Molecular weight:

423.92

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water

(Slightly)

Lot 15-THT-133-1 Number:

Purity: 98%

This Product Is Stable To Be Shipping Condition: Shipped At Room Temperature Storage Condition: -20°C

2. Warning

Not Determined Warning 2: Warning 1: Warning 3:

3. Analytical Information

Results: Tests: Specifications:

White to Off-White Solid White to Off-White Solid Appearance

NMR Conforms to Structure Conforms MS Conforms to Structure Conforms **Isotopic Purity** >95% 99.1%

HPLC Purity 96.95% (200 nm) Report Result

Additional Information: NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** Kevin Saldanha Xhoana Gjergji Neha Khanna 6/14/2019

KMS