

Luminol-13C4

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: L474452 CAS Number: 1189931-96-1

Synonym: 5-Amino-2,3-dihydro-1,4-phthalazinedione-

13C4; 3-Aminophthalhydrazide-13C4; 3-Aminophthalic Acid Hydrazide-13C4; 3-Aminophthalic Hydrazide-13C4; 5-Amino-1,4-dihydroxyphthalazine-13C4; 5-Amino-2,3-

dihydro-1,4-

Molecular Formula:

C4¹³C4H7N3O₂

Molecular weight:

181.13

Source of Product:

Synthetic **Solubility:**

DMSO (Slightly), Methanol

(Slightly)

Purity: 98%

Storage Condition: 4°C

Product:

Structure:

H AC AC AC

Lot 8-VCP-9-1

Shipping This Product Is Stable To Be **Condition:** Shipped At Room Temperature

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Pale Yellow to Light Yellow Solid Pale Yellow Solid

NMR Conforms to Structure Conforms
MS Conforms to Structure Conforms

HPLC Purity Report Result 99.90% (220 nm)

C NMR Conforms to Structure Conforms
Isotopic Purity >95% 99.1%

Additional Information: Normalized Intensity: 13C0 = 0.03%, 13C1 = 0.06%, 13C2 = 0.10%,

13C3 = 3.17%, 13C4 = 96.64%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 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

Reviewed By Reviewed By C of A Approved By Test Date Retest Date

Henry Tieu Toni Rantanen Chanell Chu 3/13/2024 3/11/2028

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