



CERTIFICATE OF ANALYSIS

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1. Identification

CAS Number:

478-43-3

Catalogue Number:

TRC-R318500

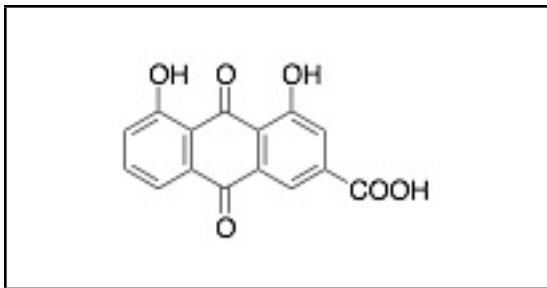
Product:

Rhein

Synonyms:

9,10-Dihydro-4,5-dihydroxy-9,10-dioxo-2-anthracenecarboxylic Acid; 4,5-Dihydroxy-2-anthraquinonecarboxylic Acid; Chrysazin-3-carboxylic Acid; Monorhein; NSC 38629; Rheic Acid; Rhubarb Yellow; Diacerein Impurity C

Structure:



Molecular Formula:

C₁₅H₈O₆

Molecular Weight:

284.22

Source of Product:

N/A

2. Analytical Information

Lot Number:

1-JSH-75-1

Atmosphere:

Inert Gas

Melting Point:

>300°C (dec.)

Solubility

DMSO (Slightly), Methanol (Slightly)

Appearance of Product:

Yellow to Orange Solid

Stability

Hygroscopic

Method for Determining Identity:

¹H NMR (DMSO-d₆) and MS

Long Term Storage Condition:

-20°C, Hygroscopic

Purity:

98%

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV and Naked Eye; Single Spot, R_f = 0.75.

¹H NMR and MS conform to structure

Elemental Analysis: (Found) %C: 63.08, %H: 2.84; (Calculated) %C: 63.39, %H: 2.84

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.

Philip Chan, Head of Quality Assurance

QC Test Date

November 8, 2017

Retest Date

November 6, 2021