



CERTIFICATE OF ANALYSIS

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1. Identification

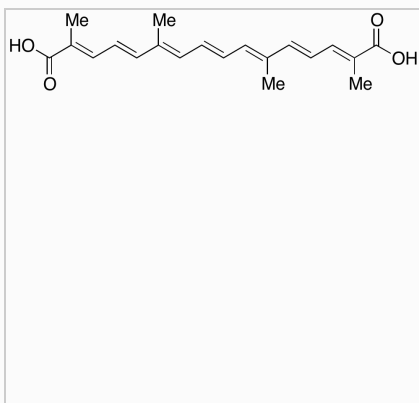
Catalogue Number: C794950

CAS Number: 27876-94-4

Product: Crocetin

Synonym: (all-E)- 2,6,11,15-Tetramethyl-2,4,6,8,10,12,14-hexadecaheptaenedioic Acid; 8,8'-Diapo- ψ,ψ -carotenedioic Acid; Crocetin; Crocetin (stable); NSC 407300; Stable Crocetin; trans-Crocetin; α -Crocetin;

Structure:



Molecular Formula:

$C_{20}H_{24}O_4$

Molecular weight:

328.41

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly, Sonicated), DMSO (Slightly, Heated, Sonicated), Methanol

Lot Number: 21-JPO-194-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Red to Very Dark Red Solid	Dark Red to Very Dark Red Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 72.51, %H: 7.69
HPLC Purity	Report Result	99.54% (430 nm)
MS	Conforms to Structure	Conforms

Additional Information: N/A

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	1/18/2022	1/16/2026