



CERTIFICATE OF ANALYSIS

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1. Identification

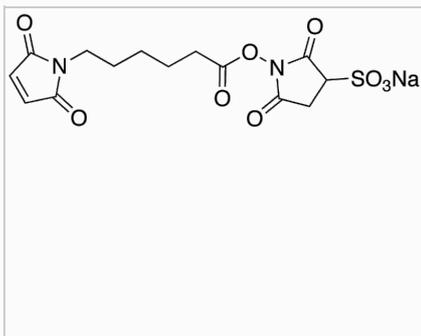
Catalogue Number: M137000

CAS Number: 215312-86-0

Product: 6-Maleimidocaproic Acid Sulfo-N-Succinimidyl Ester

Synonym: 1-[[6-(2,5-Dihydro-2,5-dioxo-1H-pyrrol-1-yl)-1-oxohexyl]oxy]-2,5-dioxo-3-pyrrolidinesulfonic Acid Sodium Salt; Sulfo-EMCS

Structure:



Molecular Formula:

C₁₄H₁₅N₂NaO₉S

Molecular weight:

410.33

Source of Product:

Synthetic

Solubility:

DMSO (Slightly, Sonicated)

Lot Number: 5-KMT-168-2

Purity: 95%

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

Storage Condition: -20°C

2. Warning

Warning 1: Hygroscopic

Warning 2: Moisture Sensitive

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 40.92, %H: 3.55, %N: 7.09
Specific Rotation	Report Result	+0.4° (c = 0.5, DMSO)

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 8 : 2; Visualized with AMCS and KMnO₄; Single Spot, R_f = 0.45. Elemental Analysis: (Theoretical) %C: 40.98, %H: 3.68, %N: 6.83

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Eric Beaton	Toni Rantanen	My Nguyen	2/28/2020	2/26/2027