



CERTIFICATE OF ANALYSIS

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1. Identification

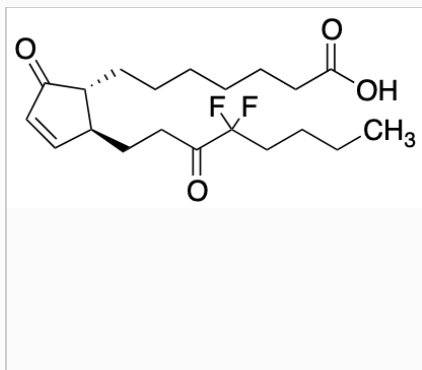
Catalogue Number: L473518

CAS Number: 2196182-47-3

Product: Lubiprostone Impurity 2

Synonym: 7-((1R,2S)-2-(4,4-Difluoro-3-oxooctyl)-5-oxocyclopent-3-en-1-yl)heptanoic Acid;

Structure:



Molecular Formula:

C₂₀H₃₀F₂O₄

Molecular weight:

372.45

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 5-JAB-132-4

Purity: 95%

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

Storage Condition: 4°C, Inert atmosphere

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Specific Rotation	Report Result	+64.8° (c = 0.2, Chloroform)
Elemental Analysis	Conforms	%C: 64.88, %H: 8.83
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Appearance	Colourless Oil	Clear Colourless Oil

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 ± 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	4/26/2022	4/24/2026