## **Certificate of Analysis**

## Lubiprostone

Cat. No.: HY-B0679

CAS No.: 136790-76-6

Batch No.: 12620

Chemical Name: Prostan-1-oic acid, 16,16-difluoro-11-hydroxy-9,15-dioxo-, (11α)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{20}H_{32}F_2O_5$  Molecular Weight: 390.46

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 2 years

-20°C 1 year

**Chemical Structure:** 

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

Purity (NMR): ≥98.0%

**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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