



# Certificate of analysis

Product name: Lubiprostone

Cas number: 136790-76-6/333963-40-9

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

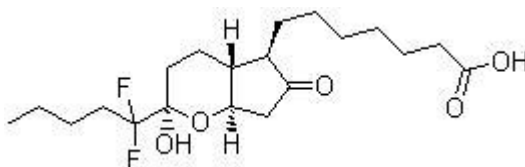
Molecular Weight: 390.46

Date of production: Feb. 14, 2017

Batch NO: 20170214

EXP. Date: Feb. 13, 2019

Chemical structure:



Items	Specifications	Results
Description	White or off-white crystalline powder	Conform
Identification	HPLC, HNMR	Conform
Water	< 0.5 %	0.21 %
Single impurities	≤ 0.3 %	0.09%
Total impurities	≤ 2.0 %	0.40%
Residue on Ignition	≤ 0.1%	0.04%
Residue Solvent	N-Hexane ≤ 0.5% Ethyl acetate ≤ 0.5%	0.28% 0.24%
Purity by HPLC	> 98.0%	99.60%

**Conclusion: It complies with the Enterprise Standard.**

Analyst: Zhao

Checker: Liu

