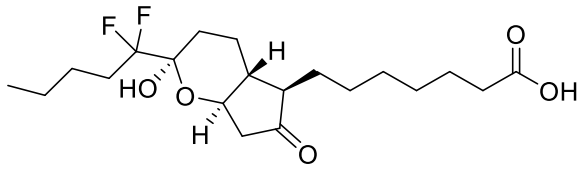




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
319935	Lubiprostone	CRB70315

Chemical name	
7-[(1R,3R,6R,7R)-3-(1,1-Difluoropentyl)-3-hydroxy-8-oxo-2-oxabicyclo[4.3.0]non-7-yl]heptanoic acid	
Synonyms	
RU-0211; RU 0211; RU0211; Spi 0211; Spi-0211; Spi0211; Lubiprostone hemiketal; Lubiprostone. trade name Amitiza	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 319935 Name: Lubiprostone CAS#: 333963-40-9 (hemiketal) Lot#: CRB70315 Chemical Formula: C ₂₀ H ₃₂ F ₂ O ₅ Exact Mass: 390.2218 Molecular Weight: 390.46

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity	>98.0%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE