PRODUCT: Lubiprostone

ALTERNATE NAME: (11a,15R)-11,15-Epoxy-16,16-difluoro-15-hydroxy-9-oxo-prostan-1-oic acid, Ru 0211, Spi 0211

CATALOG #: B1319-1, 5
AMOUNT: 1 mg, 5 mg

STRUCTURE:

MOLECULAR FORMULA: C$_{20}$H$_{32}$F$_{2}$O$_{5}$

MOLECULAR WEIGHT: 390.46

CAS NUMBER: 136790-76-6

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~20 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: Lubiprostone is a bicyclic fatty acid metabolite analog of Prostaglandin E1 that activates CIC-2 and CFTR chloride channels. It has been suggested that lubiprostone opens CFTR or both CFTR and CIC-2 through interactions with the prostaglandin receptor EP4.


HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:
- Bimatoprost (B1318)
- Lubiprostone (B1319)
- PF-04418948 (B1168)
- Prostaglandin E2 (2268)
- SW-033291 (9584)

USAGE: FOR RESEARCH USE ONLY! Not to be used in humans