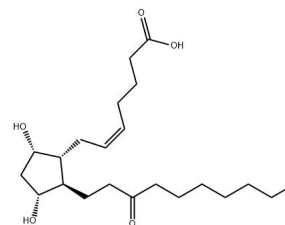


Technical Data Sheet

UNOPROSTONE

Compound Information

Product Name:	UNOPROSTONE
CAS No.:	120373-36-6
Molecular Formula:	C ₂₂ H ₃₈ O ₅
Molecular Weight:	382.53
Storage:	-20°C
Revision Date:	2026-04-27



Analytical Information

Tests	Specifications
Description	Unoprostone is a prostaglandin F _{2α} analog (PGAs) that reduces oxidative stress and light-induced retinal cell death as well as phagocytosis dysfunction by activating BK channels. It can be used in studies related to glaucoma or hypertension.
Form	Liquid
Color	Colorless to light yellow
Identification (Mass Spectrometry - ESI)	MH ⁺ : 381.6 HO: 363.8 2HO: 345.9 HO,CO : 319.5
Purity (HPLC)	100.0% Retention Time Actual.: 6.10 min
Purity (TLC)	98.00% R _f : 0.24
Solubility	DMF 25 mg/mL; DMSO 17 mg/mL; Ethanol 12 mg/mL

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.