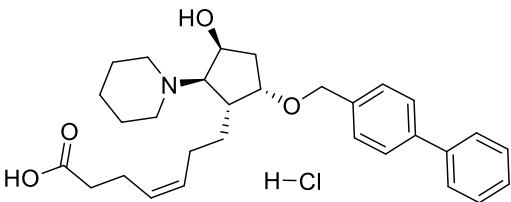




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
341399	Vapiprost hydrochloride	S21G11M10

Chemical name	
4-Heptenoic acid, 7-(5-((1,1'-biphenyl)-4-ylmethoxy)-3-hydroxy-2-(1-piperidinyl)cyclopentyl)-, hydrochloride, (1R-(1alpha(Z),2beta,3beta,5alpha))-	
Synonyms	
Vapiprost hydrochloride; GR 32191B; GR-32191B; GR32191B; Vapiprost HCl;	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 341399 Name: Vapiprost hydrochloride CAS#: 87248-13-3 Lot#: S21G11M10 Chemical Formula: C ₃₀ H ₄₀ ClNO ₄ Exact Mass: 513.2646 Molecular Weight: 514.103

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 (HPLC)	>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 3 years if properly stored.

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