**PGE$_1$** is an endogenous prostaglandin with vasodilatory, anti-platelet, and, anti-hypertensive activities.$^{1,2}$ It is in clinical use for the treatment of erectile dysfunction$^3$ and the emergency management of infants with patent ductus arteriosus$^4$. It has also been used in the treatment of peripheral arterial occlusive disease (PAD).$^5$

2) Schermuly *et al.* (2005) *Prostanoids and Phosphodiesterase Inhibitors in Experimental Pulmonary Hypertension; Curr.Top.Dev.Biol.** **67** 251
4) Huang *et al.* (2013) *Reappraisal of the prostaglandin E1 dose for early newborns with patent ductus arteriosus-dependent pulmonary circulation; Pediatr.Neonatol.** **54** 102
5) Schroer and Hohlfeld (2004) *Mechanisms of anti-ischemic action of prostaglandin E1 in peripheral arterial occlusive disease; Vasa** **33** 119

**PHYSICAL DATA**

- Molecular Weight: 354.49
- Molecular Formula: C$_{20}$H$_{34}$O$_5$
- Purity: >99% by HPLC
- NMR: (Conforms)
- Solubility: DMSO (>25 mg/ml) and ethanol (15 mg/mL)
- Physical Description: White solid
- Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

*Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.*

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462
www.focusbiomolecules.com