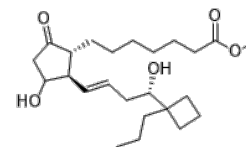


Product Name : Butaprost
Cat. No. : PC-27580
CAS No. : 69685-22-9
Molecular Formula : C₂₄H₄₀O₅
Molecular Weight : 408.58
Target : Prostaglandin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Butaprost (TR4979) is a highly selective prostaglandin E receptor (EP2) agonist with EC₅₀ of 33 nM, and K_i of 2.4 μM for murine EP2 receptor.

Butaprost is less active against murine EP1, EP3 and EP4 receptors.

Butaprost acts as a potent relaxant whereas PGE2 and to a lesser extent PGE1 has significant contractant activities.

Butaprost inhibits both FMLP-stimulated [Ca²⁺]_i and aggregation.

References

Gardiner PJ. Br J Pharmacol. 1986 Jan;87(1):45-56.

Norel X, et al. Br J Pharmacol. 1991 Nov;104(3):591-5.

Wise H, et al. Br J Pharmacol. 1994 Oct;113(2):581-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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