

Prostaglandin Bx

Chemical Properties

CAS No. : 39306-29-1

Formula:

Molecular Weight:

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Prostaglandin Bx

Biological Description

Description	PGBx is a mixture of oligomers of PGB1 with a molecular weight of 1,000-1,500. It has antioxidant and free radical trapping activity that was first studied in isolated mitochondria. ¹ PGBx has anti-inflammatory and cytoprotective activity which may be attributed to inhibition of the 14 kDa sPLA2. ^{2,3} At a dose of 1 mg/kg, PGBx significantly reduces the incidence of ulcers in rats. ²
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Solubility Information

Solubility	Ethanol: >100 mg/mL DMSO: >100 mg/mL DMF: >100 mg/mL PBS (pH 7.2): 3.8 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Polis, B.D., Polis, E., and Kwong, S. Protection and reactivation of oxidative phosphorylation in mitochondria by a stable free-radical prostaglandin polymer (PGBX). Proceedings of the National Academy of Sciences of the United States of America 85:111-115 (1988).

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