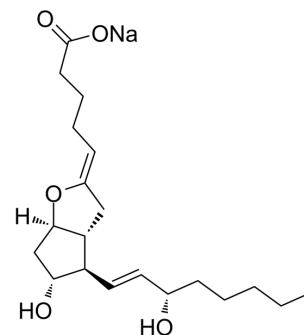


Epoprostenol sodium

Cat. No.:	HY-A0126A
CAS No.:	61849-14-7
Molecular Formula:	C ₂₀ H ₃₁ NaO ₅
Molecular Weight:	374.45
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (66.76 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6706 mL	13.3529 mL	26.7058 mL
	5 mM	0.5341 mL	2.6706 mL	5.3412 mL
	10 mM	0.2671 mL	1.3353 mL	2.6706 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Epoprostenol sodium (Prostaglandin I₂ (sodium salt)), the synthetic form of the natural prostaglandin derivative prostacyclin (prostaglandin I₂), is registered worldwide for the treatment of Pulmonary arterial hypertension (PAH)^[1]. Epoprostenol sodium is used in pulmonary hypertension and transplantation as a potent inhibitor of platelet aggregation^[2].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Provencher S, et al. Quality of life, safety and efficacy profile of thermostable flolan in pulmonary arterial hypertension. PLoS One. 2015 Mar 20;10(3):e0120657.

Caution: Product has not been fully validated for medical applications. For research use only.

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