

Beraprost sodium

Chemical Properties

CAS No.:	496807-11-5
Formula:	C ₂₄ H ₂₉ NaO ₅
Molecular Weight:	420.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Beraprost sodium is a stable and orally active prodrug of PGI ₂ .
Targets(IC ₅₀)	prodrug of PGI ₂ : None Vasodilator: None
In vitro	Beraprost sodium treatment leads to a significant increase in the number of tube formation, BPS plays an important role on angiogenic activity.
In vivo	Beraprost sodium oral administration can mitigate the development of renal interstitial fibrosis, decrease renal oxidative stress through its potential vasodilation effect, and further prevent renal interstitial fibrosis.

Solubility Information

Solubility	DMSO: 250 mg/mL (594.57 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.378 mL	11.891 mL	23.783 mL
5 mM	0.476 mL	2.378 mL	4.757 mL
10 mM	0.238 mL	1.189 mL	2.378 mL
50 mM	0.048 mL	0.238 mL	0.476 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Li S, et al. Beraprost sodium mitigates renal interstitial fibrosis through repairing renal microvessels. *J Mol Med (Berl)*. 2019 Jun;97(6):777-791.

Inhibitors · Natural Compounds · Compound Libraries

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