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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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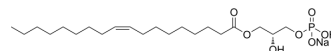
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1-Oleoyl lysophosphatidic acid (sodium) (GMP)

Cat. No.:	HY-107614G
CAS No.:	325465-93-8
Molecular Formula:	C ₂₁ H ₄₀ NaO ₇ P
Molecular Weight:	458.5
Target:	TGF-beta/Smad
Pathway:	Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-Oleoyl lysophosphatidic acid sodium (GMP) is a GMP-grade 1-Oleoyl lysophosphatidic acid sodium that can be used as an auxiliary reagent in cell therapy. 1-Oleoyl lysophosphatidic acid sodium can stimulate neuronal differentiation in neural progenitor cells from mice or rats, and it also promotes the differentiation of human adipose-derived mesenchymal stem cells into myofibroblast-like cells in vitro by activating the autocrine TGF-β1-Smad signaling pathway^{[1][2]}.

REFERENCES

- [1]. Eun Su Jeon, et al. Cancer-derived lysophosphatidic acid stimulates differentiation of human mesenchymal stem cells to myofibroblast-like cells. *Stem Cells*. 2008 Mar;26(3):789-97.
- [2]. Hui-Lin Cui, et al. Promotive action of lysophosphatidic acid on proliferation of rat embryonic neural stem cells and their differentiation to cholinergic neurons in vitro. *Sheng Li Xue Bao*. 2006 Dec 25;58(6):547-55.

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

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