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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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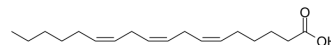
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Gamma-Linolenic acid

Cat. No.:	HY-N7140
CAS No.:	506-26-3
Molecular Formula:	C ₁₈ H ₃₀ O ₂
Molecular Weight:	278.43
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (359.16 mM; Need ultrasonic)																							
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Preparing Stock Solutions</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>3.5916 mL</td> <td>17.9578 mL</td> <td>35.9157 mL</td> </tr> <tr> <td>5 mM</td> <td>0.7183 mL</td> <td>3.5916 mL</td> <td>7.1831 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3592 mL</td> <td>1.7958 mL</td> <td>3.5916 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	Preparing Stock Solutions				1 mM	3.5916 mL	17.9578 mL	35.9157 mL	5 mM	0.7183 mL	3.5916 mL	7.1831 mL	10 mM	0.3592 mL	1.7958 mL	3.5916 mL
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	Please refer to the solubility information to select the appropriate solvent.																							
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (8.98 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.98 mM); Clear solution 																							

BIOLOGICAL ACTIVITY

Description	Gamma-linolenic acid (γ-Linolenic acid) is an omega-6 (n-6), 18 carbon (18C-) polyunsaturated fatty acid (PUFA) extracted from <i>Perilla frutescens</i> . Gamma-linolenic acid supplements could restore needed PUFAs and mitigate the disease ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Cancer Cell Int. 2021 Jun 5;21(1):291.
 - Eur J Pharmacol. 2023 Feb 23;175618.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Sergeant S, et al. Gamma-linolenic acid, Dihomo-gamma linolenic, Eicosanoids and Inflammatory Processes. Eur J Pharmacol. 2016 Aug 15;785:77-86.

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

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