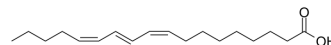


Punicic acid

Cat. No.:	HY-139066
CAS No.:	544-72-9
Molecular Formula:	C ₁₈ H ₃₀ O ₂
Molecular Weight:	278.43
Target:	Others
Pathway:	Others
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (359.16 mM); ultrasonic and warming and heat to 60°C
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); Suspended solution; Need ultrasonic 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	Punicic acid is a bioactive compound of pomegranate seed oil. Punicic acid is an isomer of conjugated α-linolenic acid and a ω-5 polyunsaturated fatty acid. Punicic acid has the potential for the research of various chronic diseases ^[1] .
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REFERENCES

[1]. Shabbir MA, et al. Punicic acid: A striking health substance to combat metabolic syndromes in humans. *Lipids Health Dis.* 2017;16(1):99.

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

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