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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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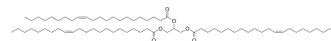
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Trierucin

Cat. No.:	HY-N7055
CAS No.:	2752-99-0
Molecular Formula:	C ₆₉ H ₁₂₈ O ₆
Molecular Weight:	1053.75
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years



* The compound is unstable in solutions, freshly prepared is recommended.

SOLVENT & SOLUBILITY

In Vitro	DMSO : 32.5 mg/mL (30.84 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	0.9490 mL	4.7450 mL	9.4899 mL
			5 mM	0.1898 mL	0.9490 mL	1.8980 mL
10 mM	0.0949 mL	0.4745 mL	0.9490 mL			
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: ≥ 1.08 mg/mL (1.02 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.08 mg/mL (1.02 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.08 mg/mL (1.02 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Trierucin is a trierucic acid triglyceride from the seed oil ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Mersel M, et al. Intracellular lipase activities in heart and skeletal muscle homogenates. The absence of trierucin cleavage by the heart: a possible biochemical basis for

erucic acid lipidosis. *Biochim Biophys Acta*. 1979 Feb 26;572(2):218-24.

[2]. David C. Taylor, et al. Formation of trierucoylglycerol (trierucin) from 1,2-Dierucoylglycerol by a homogenate of microspore-derived embryos of *Brassica napus* L. *J Am Oil Chem Soc*.1992;69: 355.

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

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