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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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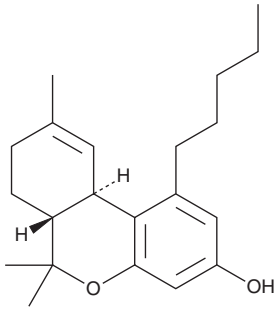
PRODUCT INFORMATION

Dihydrocurcumin

Item No. 39823

CAS Registry No.:	76474-56-1
Formal Name:	(4Z,6E)-5-hydroxy-1,7-*bis*(4-hydroxy-3-methoxyphenyl)-4,6-heptadien-3-one
Synonym:	Letestuianin B
MF:	$C_{21}H_{22}O_6$
FW:	370.4
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
Item Origin:	Plant/*Zingiber officinale* Rose



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Dihydrocurcumin is supplied as a solid. A stock solution may be made by dissolving the dihydrocurcumin in the solvent of choice, which should be purged with an inert gas. Dihydrocurcumin is soluble in aetone, chloroform, dichloromethane, DMSO, and ethyl acetate.

Description

Dihydrocurcumin is an active metabolite of curcumin (Item Nos. 81025 | 81025.1).[1] It is formed from curcumin *via* reductases. It reduces triglyceride levels and increases glucose uptake in HepG2 and L-02 cellular models of steatosis induced by oleic acid (Item Nos. 90260 | 24659) when used at a concentration of 20 µM.[2]

References

1. Pandey, A., Chaturvedi, M., Mishra, S., *et al*. Reductive metabolites of curcumin and their therapeutic effects. *Heliyon* **6(11)**, (2020).
2. Yu, Q., Liu, Y., Wu, Y., *et al*. Dihydrocurcumin ameliorates the lipid accumulation, oxidative stress and insulin resistance in oleic acid-induced L02 and HepG2 cells. *Biomed. Pharmacother.* **103**, 1327-1336 (2018).

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