



SZABO SCANDIC

Part of Europa Biosite

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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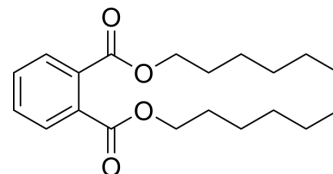
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Dihexyl phthalate

Cat. No.:	HY-W011215
CAS No.:	84-75-3
Molecular Formula:	C ₂₀ H ₃₀ O ₄
Molecular Weight:	334.46
Target:	Apoptosis; Reactive Oxygen Species
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dihexyl phthalate is one of the commonly used phthalate esters in various plastics and consumer products. Dihexyl phthalate is classified as a priority pollutant and an endocrine disruptor. Dihexyl phthalate can induce reactive oxygen species (ROS) accumulation, promote inflammation, and lead to significant increases in apoptosis and inflammation-related gene expression levels. Dihexyl phthalate can cause testicular atrophy and is a reproductive toxicant^{[1][2]}.

REFERENCES

- [1]. Kim YH, et al. Enhanced degradation and toxicity reduction of dihexyl phthalate by *Fusarium oxysporum* f. sp. *pisii* cutinase. *J Appl Microbiol.* 2007 Jan;102(1):221-8.
- [2]. Song D, et al. Combining metabolomics with bioanalysis methods to investigate the potential toxicity of dihexyl phthalate[J]. *Environmental toxicology*, 2021, 36(2): 213-222.

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

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