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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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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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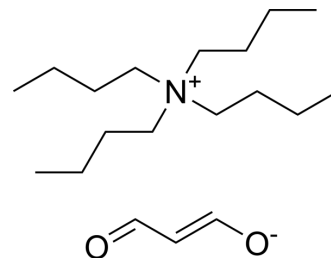
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Malondialdehyde tetrabutylammonium

Cat. No.:	HY-W749411
CAS No.:	100683-54-3
Molecular Formula:	C ₁₉ H ₃₉ NO ₂
Molecular Weight:	313.52
Target:	Biochemical Assay Reagents; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (79.74 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.1896 mL	15.9479 mL	31.8959 mL
	5 mM		0.6379 mL	3.1896 mL	6.3792 mL
	10 mM		0.3190 mL	1.5948 mL	3.1896 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Malondialdehyde tetrabutylammonium is a biomarker with antioxidant activity. Malondialdehyde tetrabutylammonium can be used as an indicator of lipid peroxidation to help assess oxidative stress levels. Malondialdehyde tetrabutylammonium is widely used in the food and cosmetics fields, mainly for monitoring and evaluating product stability and safety. Malondialdehyde tetrabutylammonium has an important role in indicating cell damage and is a potential biomarker for studying a variety of diseases.

REFERENCES

- [1]. Effect of initial biomass-specific photon supply rate on fatty acid accumulation in nitrogen depleted *Nannochloropsis gaditana* under simulated outdoor light conditions
- [2]. Translocation and de novo synthesis of eicosapentaenoic acid (EPA) during nitrogen starvation in *Nannochloropsis gaditana*
- [3]. Effect of nitrogen addition on lipid productivity of nitrogen starved *Nannochloropsis gaditana*
- [4]. Enzymatic measurement of phosphatidylglycerol and cardiolipin in cultured cells and mitochondria

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

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