

## Essential oils, Melaleuca alternifolia

## Chemical Properties

CAS No. : 68647-73-4

Formula:

Molecular Weight:

Essential oils, Melaleuca alternifolia

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Essential oils, Melaleuca alternifolia, broad-spectrum antibacterial, antifungal, and anti-inflammatory activities, used in infection and inflammation research.
Targets(IC50)	Antibacterial
In vitro	Essential oils, Melaleuca alternifolia modulates the expression of innate immune genes in goat rumen epithelial cells, inducing or inhibiting specific immune factor transcription [1].

## Reference

Zixuan Hu, et al. Effect of Tea Tree Oil on the Expression of Genes Involved in the Innate Immune System in Goat Rumen Epithelial Cells. *Animals (Basel)*. 2021 Aug 21;11(8):2460.

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