

## Ethyl 4-methyloctanoate

## Chemical Properties

CAS No. : 56196-53-3

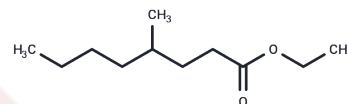
Formula: C<sub>11</sub>H<sub>22</sub>O<sub>2</sub>

Molecular Weight: 186.29

Storage: Keep away from moisture, Store under nitrogen, High Volatility

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	Ethyl 4-methyloctanoate (Oryctalure) is an aggregation pheromone produced by beetles, which can be used by beetles to find suitable feeding sites. Ethyl 4-methyloctanoate can be used to monitor and trap coconut rhinoceros beetles (CRB).
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.368 mL	26.8399 mL	53.6797 mL
5 mM	1.0736 mL	5.368 mL	10.7359 mL
10 mM	0.5368 mL	2.684 mL	5.368 mL
50 mM	0.1074 mL	0.5368 mL	1.0736 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Bakeri, S.A., Moslim, R., Ghani, I.A. et al. Population dynamics of adult *Oryctes rhinoceros* and its developmental stages with *Oryctes Nudivirus* infection in a zero burning replanting area. *Int J Trop Insect Sci* 43, 591-600 (2023).
- Sujithra, M., et al(2022). Prospects and Advances in the Management of Coconut Wood Borers. In: Sundararaj, R. (eds) *Science of Wood Degradation and its Protection*. Springer, Singapore.
- Haberer W, et al. Volatiles emitted by calling males of burying beetles and *Ptomascopus morio* (Coleoptera: Silphidae: Nicrophorinae) are biogenetically related[J]. *Journal of chemical ecology*, 2017, 43: 971-977.

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