

## 7(Z)-Tricosene

## Chemical Properties

CAS No. : 52078-42-9

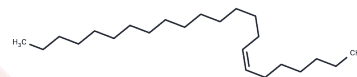
Formula: C<sub>23</sub>H<sub>46</sub>

Molecular Weight: 322.61

Store at low temperature

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	7(Z)-Tricosene is an insect pheromone and endogenous metabolite for mating and interspecific recognition.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	Acetone: 5 mg/mL (15.5 mM),Sonication is recommended. DMF: 16 mg/mL (49.6 mM),Sonication is recommended. Ethanol: 16 mg/mL (49.6 mM),Sonication is recommended. DMSO: 16 mg/mL (49.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0997 mL	15.4986 mL	30.9972 mL
5 mM	0.6199 mL	3.0997 mL	6.1994 mL
10 mM	0.310 mL	1.5499 mL	3.0997 mL
50 mM	0.062 mL	0.310 mL	0.6199 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

Peschke K, Metzler M. Cuticular hydrocarbons and female sex pheromones of the rove beetle, *Aleochara curtula* (Goeze)(Coleoptera: Staphylinidae)[J]. *Insect biochemistry*, 1987, 17(1): 167-178.

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