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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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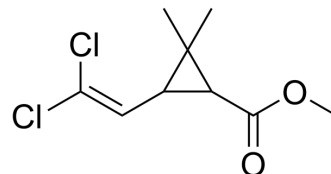
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Permethrinic acid methyl ester

Cat. No.:	HY-W154397
CAS No.:	61898-95-1
Molecular Formula:	C ₉ H ₁₂ Cl ₂ O ₂
Molecular Weight:	223.1
Target:	Others
Pathway:	Others
Storage:	Pure form -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (896.46 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.4823 mL	22.4115 mL	44.8229 mL
	5 mM		0.8965 mL	4.4823 mL	8.9646 mL
	10 mM		0.4482 mL	2.2411 mL	4.4823 mL

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

BIOLOGICAL ACTIVITY

Description

Permethrinic Acid Methyl Ester is a derivative of the insecticide Permethrin (HY-B0887). Permethrin is an insecticide, an acaricide, and a highly selective inhibitor of mitochondrial complex I^[1].

REFERENCES

- [1]. Altarawneh M, et al. Pyrolysis of permethrin and formation of precursors of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/F) under non-oxidative conditions. Chemosphere. 2009 Mar;74(11):1435-43.
- [2]. Newman JW, et al. Epoxide hydrolases: their roles and interactions with lipid metabolism. Prog Lipid Res. 2005 Jan;44(1):1-51.

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

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