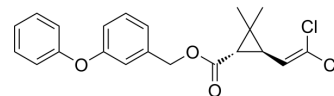


(-)-trans-Permethrin

Cat. No.:	HY-B0887B		
CAS No.:	54774-47-9		
Molecular Formula:	C ₂₁ H ₂₀ Cl ₂ O ₃		
Molecular Weight:	391.29		
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 : 100 mg/mL (255.56 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5556 mL	12.7782 mL	25.5565 mL
5 mM	0.5111 mL	2.5556 mL	5.1113 mL
10 mM	0.2556 mL	1.2778 mL	2.5556 mL

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

BIOLOGICAL ACTIVITY

Description

(-)-trans-Permethrin ((-)-trans-NRDC-143) is a pyrethroid that can provide a satisfactory level of protection from black flies for cattle^[1].

REFERENCES

[1]. Shemanchuk JA, et, al. Protective action of fenvalerate, deltamethrin, and four stereoisomers of permethrin against black flies (*Simulium* spp.) attacking cattle. *Pesticide Science*. 1984 Dec;15(6):557-561.

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

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