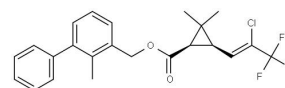


Technical Data Sheet

Bifenthrin

Compound Information

Product Name:	Bifenthrin
CAS No.:	82657-04-3
Molecular Formula:	C ₂₃ H ₂₂ ClF ₃ O ₂
Molecular Weight:	422.87
Storage:	4°C, protect from light
Revision Date:	2026-04-15



Analytical Information

Tests	Specifications
Description	Bifenthrin prolongs the opening time of Nav1.8 sodium channels, leading to membrane depolarization and conductance block in the insect nervous system, thereby disrupting neural function.
Form	Solid
Solubility	DMSO: 100 mg/mL (236.48 mM)
1H NMR	Pass test

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