Product Name: Derquantel

Product Number: D046

CAS Number: 187865-22-1

Molecular Formula: \( \text{C}_{28}\text{H}_{37}\text{N}_{3}\text{O}_{4} \)

Molecular Weight: 479.6

Appearance: White solid

Storage Conditions: -20°C

Description: Derquantel is a semi-synthetic paraherquamide analogue prepared by removal of the 2-oxo group in a four-step sequence of N-protection, reduction, N-deprotection and a final reduction. Derquantel is a potent nematocide and was the first paraherquamide to be successfully commercialised in combination with avermectin. Derquantel, like other paraherquamides, induces a flaccid paralysis in nematodes thought to be due to inhibition of nicotinic acetylcholine receptors acting as an antagonist of acetylcholine.

Derquantel is soluble in ethanol, methanol, DMF and DMSO.

References:


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