

**Product Name:** Meclocycline

**Product Number:** M049

**Description:** Meclocycline is a semi-synthetic tetracycline prepared by dehydration of the 6-hydroxy group of chlortetracycline to yield an exocyclic 6-methylene. Meclocycline is a close structural analogue of methacycline. Like all tetracyclines, meclocycline shows broad spectrum antibacterial and antiprotozoan activity. Meclocycline has been extensively cited in the literature with over 400 references.

Meclocycline is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

**Mechanism of Action:** Like all tetracyclines, meclocycline acts by binding to the 30S and 50S ribosomal sub-units, blocking protein synthesis.

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