Product Name: Meclocycline sulfosalicylate

Product Number: M043

CAS Number: 73816-42-9

Molecular Formula: C_{29}H_{27}ClN_{2}O_{14}S

Molecular Weight: 695.1

Appearance: Yellow to orange solid

Storage Conditions: -20°C

Description: Meclocycline sulfosalicylate is a salt prepared from demeclocycline taking advantage of the basic dimethylamino group which protonates and readily forms a salt in solution with 2-hydroxy-3-carboxybenzenesulphonic acid. Like all tetracyclines, meclocycline shows broad spectrum antibacterial and antiprotozoan activity. The unusual complex counter-ion is likely to add an antiseptic component to the use of the compound for skin infections.

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

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

References:
