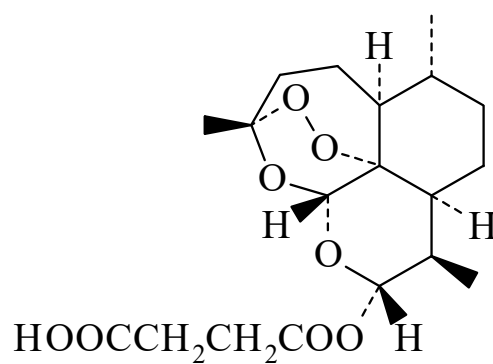




>>Entry Name: Artesunate, INN



CAS Registry Number: 88495-63-0

Molecular Formula: C₁₉H₂₈O₈

Molecular Weight: 384.425

Accurate Mass: 384.17842

Percentage Composition: C 59.36%; H 7.34%; O 33.30%

Use/Importance: Antimalarial agent often used in combination with Mefloquine [DMD05-E](#). Immunoregulator, effective in treating allergic contact dermatitis in animal models

Calculated Log P Data: Log P 2.49 (uncertain value) (calc)

Hazard & Toxicity: Neurotoxic in *in vitro* neuronal cultures

>>Derivative: Me ester

CAS Registry Number: 93787-88-3

Molecular Formula: C₂₀H₃₀O₈

Molecular Weight: 398.452

Accurate Mass: 398.19407

Percentage Composition: C 60.29%; H 7.59%; O 32.12%

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{26} +12.2$ (c, 1.4 in CHCl₃)

>>Derivative: 4-Nitrobenzyl ester

CAS Registry Number: 93787-89-4

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{26} +6.49$ (c, 1.3 in CHCl₃)

References:

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