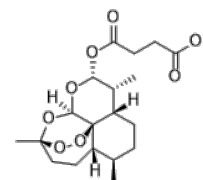


Product Name : Artesunate
Cat. No. : PC-27146
CAS No. : 88495-63-0
Molecular Formula : C₁₉H₂₈O₈
Molecular Weight : 384.43
Target : Parasite
Solubility : 10 mM in DMSO



Biological Activity

Artesunate is an antimalarial and potent, hemozoin-dependent inhibitor of *P. falciparum* exported protein 1 (EXP1, PfMGST) with IC₅₀ of 2.05 nM, inhibits EXP1 glutathione transferase activity toward hemozoin, also is a potential inhibitor of STAT-3. Artesunate directly targets glucosylceramidase to suppress hepatocellular carcinoma proliferation and trigger apoptosis. Artesunate inhibits IL-6 driven STAT-3-DNA binding activity with comparable potency to S3I-201 in a cell free system. Artesunate interferes with STAT-3 dimerization and suppression of both constitutive and IL-6 inducible STAT-3 in vitro. Artesunate also exhibits selective cytotoxicity of cancer cells over normal cells in vitro.

References

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Vandewynckel YP, et al. *Eur J Gastroenterol Hepatol*. 2014 Aug;26(8):861-70.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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