

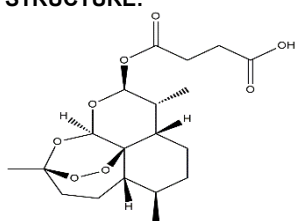
# Artesunate

**ALTERNATE NAME:** WR-256283  
NSC-712571  
Artesunic acid  
butanedioic acid, 1-[(3R,5aS,6R,8aS,9R,10S,12R,12aR)-decahydro-3,6,9-trimethyl-3,12-epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10-yl] ester

**CATALOG #:** B2332-250  
B2332-50

**AMOUNT:** 250 mg  
50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>19</sub>H<sub>28</sub>O<sub>8</sub>

**MOLECULAR WEIGHT:** 384.42

**CAS NUMBER:** 88495-63-0

**APPEARANCE:** White to off-white solid

**PURITY:** ≥98%

**STORAGE:** Store at -20°C. Protect from air and light

**SOLUBILITY:** >10 mg/ml (DMSO)

**REFERENCES:** Ooko, E., et al. (2015). *Phytomedicine* 22, 1045-1054.

**DESCRIPTION:** Artesunate is a semisynthetic derivative of artemisinin. It acts on the electron transport chain, generates local reactive oxygen species, and causes the depolarization of the mitochondrial membrane. It inhibits TNF $\alpha$ -induced production of proinflammatory cytokines via inhibition of NF- $\kappa$ B and PI3 kinase/Akt signal pathway in human rheumatoid arthritis fibroblast-like synoviocytes. Displays cytotoxic action against cancer cell lines of different tumor types. Also induces ferroptosis.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Artemisinin (2519)  
Mefloquine hydrochloride (B2169)  
Fumagillin (2368)  
Gossypol (2579)

**DISCLAIMER:** *FOR RESEARCH USE ONLY! Not to be used on humans.*