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## DATASHEET

Artesunate

### Product overview

<b>Name</b>	Artesunate
<b>Cat No</b>	HB0122
<b>Alternative names</b>	ARS
<b>Biological action</b>	Other
<b>Purity</b>	>98%
<b>Description</b>	Semi-synthetic, water soluble Artemisinin derivative

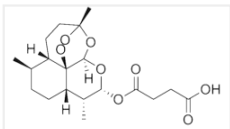
### Biological Data

<b>Biological description</b>	Semi-synthetic, water soluble Artemisinin derivative. Inhibits vascular endothelial proliferation ( $IC_{50} = 25 \mu M$ ) and activates p38 MAPK. Displays antimalarial, antiangiogenic, antiviral and anticancer properties.
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### Solubility & Handling

<b>Solubility overview</b>	Soluble in DMSO (25mg/ml) or ethanol (25mg/ml)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Molecular Weight</b>	384.4
<b>Chemical structure</b>	
<b>Molecular Formula</b>	$C_{19}H_{28}O_8$
<b>CAS Number</b>	88495-63-0
<b>PubChem identifier</b>	0
<b>SMILES</b>	<chem>C[C@@H]1CC[C@H]2[C@@H](C)[C@H](O[C@@H]3OC4(C)CC[C@@H]1[C@@]23OO4)OC(=O)CCC(O)=O</chem>

### References

#### Safety and efficacy field study of artesunate for dogs with non-resectable tumours.

Rutteman GR *et al* (2013) *Anticancer Res* 33(5)

**PubMedID** [23645726](#)

#### The artemisinin derivative artesunate inhibits corneal neovascularization by inducing ROS-dependent apoptosis in vascular endothelial cells.

Cheng R *et al* (2013) *Invest Ophthalmol Vis Sci* 54(5)

**PubMedID** [23611999](#)

**The antiviral activities of artemisinin and artesunate.**

Efferth T *et al* (2008) Clin Infect Dis 47(6)

**PubMedID** [18699744](#)

**Supragenomic network compression and the discovery of EXP1 as a glutathione transferase inhibited by artesunate.**

Lisewski AM *et al* (2014) Cell 158(4)

**PubMedID** [25126794](#)

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