

Catalog	Unit
TBI2411-100MG	100 mg
TBI2411-500MG	500 mg

Product Details

Formal Name: Succinyl dihydroartemisinin

Molecular Formula: C₁₉H₂₈O₈

Formula Weight: 384.42

CAS Number: 88495-63-0

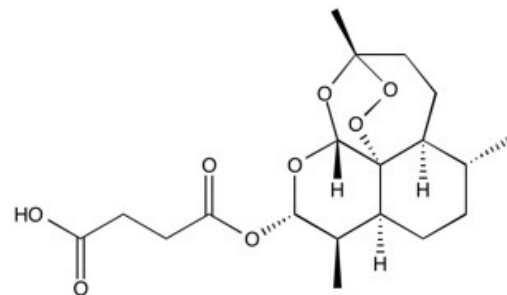
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Cancer stem cell inhibitor

Functions

A semisynthetic derivative of the natural product artemisinin which is clinically useful for treatment of malaria and other parasitic diseases. Depolarizes mitochondrial the membrane via generation of reactive oxygen species which disrupt the electron transport chain. Generation of mitochondrial ROS is dependent on RIP1. Inhibits TNF α -induced production of proinflammatory cytokines in human RA fibroblast-like synoviocytes. Displays cytotoxicity against a variety of cancer cells and cancer stem cells.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.