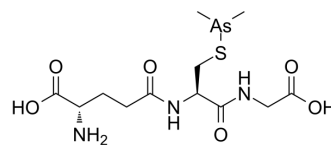


Darinaparsin

Cat. No.:	HY-14943
CAS No.:	69819-86-9
Molecular Formula:	C ₁₂ H ₂₂ AsN ₃ O ₆ S
Molecular Weight:	411.31
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Darinaparsin (ZIO-101), an organic arsenical, is a mitochondrial-targeted agent. Darinaparsin induces apoptosis in cancer cells, and has anticancer effects ^[1] .
In Vitro	Darinaparsin is cytotoxic to prostate cancer cell lines as well as fresh prostate cancer cells at low micromolar concentrations, and importantly inhibits the termed tumor-initiating cells (TIC) subpopulations ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Darinaparsin inhibits growth of the castrate-resistant Du145 prostate tumor propagated as xenograft in mice and inhibits the tumor-initiating potential of prostate cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nitu Bansal, et al. Darinaparsin inhibits prostate tumor-initiating cells and Du145 xenografts and is an inhibitor of hedgehog signaling. *Mol Cancer Ther.* 2015 Jan;14(1):23-30.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA