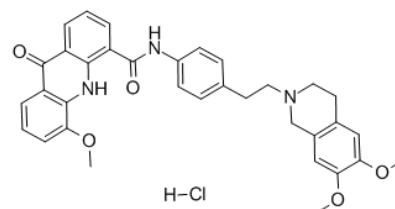


Product Name : Elacridar hydrochloride
Cat. No. : PC-45888
CAS No. : 143851-98-3
Molecular Formula : C₃₄H₃₄ClN₃O₅
Molecular Weight : 600.1039
Target : P-glycoprotein (P-gp)
Solubility : 10 mM in DMSO



Biological Activity

A potent inhibitor of multidrug resistance (MDR) that fully reverses multidrug resistance CHRC5, OV1/DXR and MCF7/ADR cells to the cytotoxicity of doxorubicin and vincristine with IC₅₀ of 0.02 uM; effectively competes with [3H]azidopine for binding P-glycoprotein; restores sensitivity of the tumor to a single dose of doxorubicin in mice; orally bioavailable.

Breast Cancer

Phase 1 Discontinued

References

Hyafil F, et al. Cancer Res. 1993 Oct 1;53(19):4595-602.

den Ouden D, et al. Leukemia. 1996 Dec;10(12):1930-6.

Witherspoon SM, et al. Clin Cancer Res. 1996 Jan;2(1):7-12.

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

E-mail: tech@probechem.com