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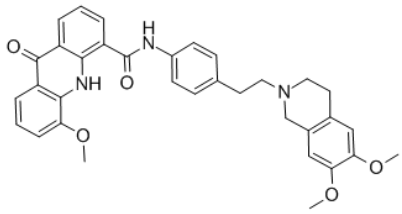
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Elacridar
Cat. No.	:	PC-45887
CAS No.	:	143664-11-3
Molecular Formula	:	$C_{34}H_{33}N_3O_5$
Molecular Weight	:	563.6429
Target	:	P-glycoprotein (P-gp)
Solubility	:	10 mM in DMSO



Biological Activity

Elacridar (GF120918, GW-0918) is a potent inhibitor of multidrug resistance (MDR, P-gp) 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.
Elacridar (GF120918, GW-0918) effectively competes with [3H]azidopine for binding P-glycoprotein.
Elacridar (GF120918, GW-0918) restores sensitivity of the tumor to a single dose of doxorubicin in mice; orally bioavailable.

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.

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