

Elacridar (hydrochloride)

Catalog No: tcsc1113



Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

143851-98-3

Formula:

$C_{34}H_{34}ClN_3O_5$

Pathway:

Membrane Transporter/Ion Channel

Target:

P-glycoprotein

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

GF120918A

Observed Molecular Weight:

600.1

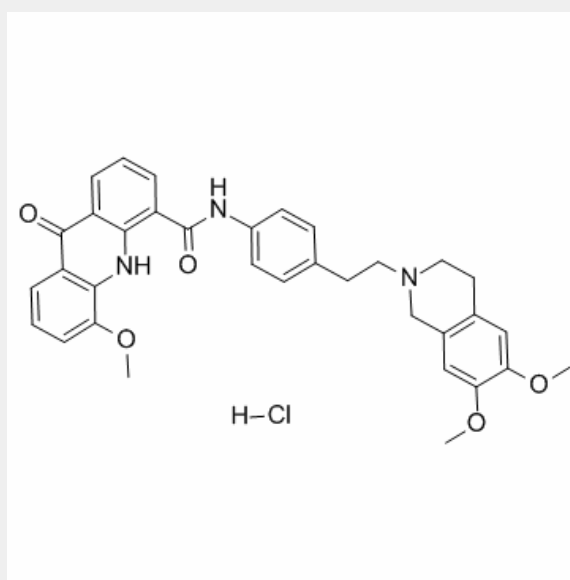
Product Description

Elacridar HCl (GF120918; GW0918) is a P-glycoprotein inhibitor, and has been used both in vitro and in vivo as a tool inhibitor of P-glycoprotein (Pgp) to investigate the role of transporters in the disposition of various test molecules.

IC50 value:

Target: P-glycoprotein

In vitro, GF120918A demonstrated high plasma protein binding across species, although a definitive protein binding evaluation was precluded by poor recovery, particularly in buffer and in mouse, rat, and dog plasma. GF120918A did not demonstrate potent inhibition of several human cytochrome P450 enzymes evaluated in vitro, with IC(50) values well above concentrations anticipated to be achieved in vivo. Together, these data confirm the utility of GF120918A as a tool P-glycoprotein inhibitor in preclinical species and offer additional guidance on preclinical dose regimens likely to produce P-glycoprotein-mediated effects.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!