Web: www.taiclone.com
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Elacestrant (dihydrochloride)

Catalog No: tcsc6324

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
1349723-93-8

Formula:
$C_{30}H_{40}Cl_2N_2O_2$

Pathway:
Others

Target:
Estrogen Receptor/ERR

Purity / Grade:
>98%

Solubility:
DMSO : 17.6 mg/mL (33.11 mM; Need ultrasonic and warming)

Alternative Names:
RAD1901 dihydrochloride

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Observed Molecular Weight:
531.56

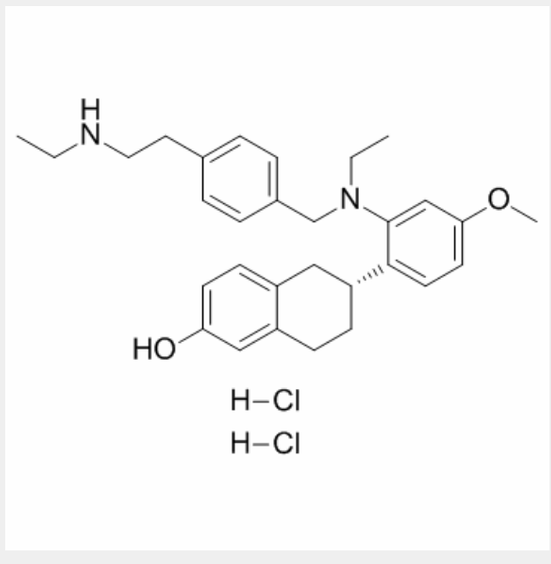
Product Description

Elacestrant dihydrochloride (RAD1901 dihydrochloride) is a selective and orally available estrogen receptor (**ERR**) degrader with **IC_{50}** values of 48 and 870 nM for ERα and ERβ, respectively.

IC50 & Target: IC50: 48 nM (ERα), 870 nM (ERβ)[1]

In Vitro: RAD1901 selectively binds to and degrades the ER and is a potent antagonist of ER-positive breast cancer cell proliferation. RAD1901 treatment exhibits dose-dependent inhibition of ERα expression, with an EC_{50} of 0.6 nM. Treatment of ER-positive MCF-7 cells with E2 results in a potent and dose-dependent increase in proliferation, with an EC_{50} of 4 pM. Treatment of cells with RAD1901 in the presence of 10 pM E2 resultsin a dose-dependent decrease in proliferation, with an IC_{50} value of 4.2 nM[1].

In Vivo: RAD1901 produces a robust and profound inhibition of tumor growth in MCF-7 xenograft models. RAD1901-treated animals survived longer than those treated with either control or fulvestrant. RAD1901 preserves ovariectomy-induced bone loss and preventes the uterotropic effects of E2[1].



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