Itraconazole

CYP 14-α demethylase inhibitor. Autophagy inducer.

Inhibits 14-α demethylase, a cytochrome P-450 enzyme, thus blocking conversion of lanosterol to ergosterol. Itraconazole inhibits glioblastoma cell proliferation in vitro and in vivo, and stimulates autophagic progression through inhibition of cholesterol trafficking from late endosomes and lysosomes to the plasma membrane. Binds Smoothened (SMO) via a mechanism distinct from that of cyclopamine, inhibiting the Hedgehog pathway. Also inhibits angiogenesis via blocking the binding of VEGF to VEGFR2.

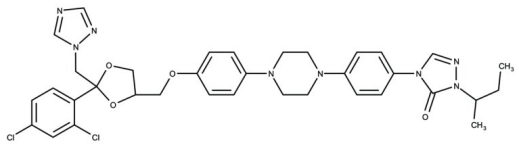
Ordering Information

Order Online »

ENZ-CHM265-0250	250mg

Manuals, SDS & CofA

View Online »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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored unopened at -20°C
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Oriconazole, R51211
Appearance	White solid.
CAS	84625-61-6
Couple Target	Cytochrome P450
Couple Type	Inhibitor
Formula	$C_{35}H_{36}Cl_2N_8O_4$
Formulation	Lyophilized.
Identity	Identity determined by NMR.
MW	705.6
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (1.5 mg/ml, warm).

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