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## Product Datasheet

### Itraconazole, CAS [[84625-61-6]] FBM-10-2033

Article Name	Itraconazole, CAS [[84625-61-6]]
Biozol Catalog Number	FBM-10-2033
Supplier Catalog Number	10-2033
Alternative Catalog Number	FBM-10-2033-50MG,FBM-10-2033-250MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Autophagy inducer / inhibits glioblastoma growth...
Molecular Weight	705.63
Purity	98% by HPLC, NMR (Conforms)
Form	White solid
CAS Number	[84625-61-6]
Formula	C35H36Cl2N8O4
Application Notes	Itraconazole inhibits the conversion of lanosterol to ergosterol via inhibition of the 14-alpha demethylase, a cytochrome P-450 enzyme <sup>1</sup> . Clinically useful antifungal agent. It inhibits the proliferation of glioblastoma cells in vitro and in vivo by inducing autophagic progression via inhibiting the trafficking of cholesterol from late endosomes and lysosomes to the plasma membrane <sup>2</sup> . Inhibits the hedgehog pathway by binding to Smoothened (SMO) via a mechanism distinct from that of cyclopamine <sup>3</sup> . Inhibits angiogenesis via inhibiting the binding of VEGF to VEGFR <sup>24</sup> .