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## Product Datasheet

### **E3330, CAS [[136164-66-4]]** **FBM-10-4000**

Article Name	E3330, CAS [[136164-66-4]]
Biozol Catalog Number	FBM-10-4000
Supplier Catalog Number	10-4000
Alternative Catalog Number	FBM-10-4000-5MG, FBM-10-4000-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	APE1 inhibitor/ferroptosis inducer...
Molecular Weight	378.47
Purity	>98% by HPLC, NMR (Conforms)
Form	Orange solid
CAS Number	[136164-66-4]
Formula	C21H30O6
Application Notes	E3330 is a hepatoprotective benzoquinone that inhibits TNF-alpha release via decreasing NFkB activation. <sup>1,2</sup> It also is an inhibitor of AP endonuclease 1 (APE1) redox function. <sup>3</sup> E3330 acts synergistically with cisplatin to increase cytotoxicity and impair cell migration and invasion in non-small cell lung cancer. <sup>4</sup> Inhibition of APE1 with E3330 induces ferroptosis via impairment of AKT phosphorylation ultimately leading to Nrf2 degradation. <sup>5</sup> It sensitizes osteosarcoma cells to ionizing radiation via ferroptosis induction. <sup>6</sup>