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## Product Datasheet

### I2 FBM-10-4908

Article Name	I2
Biozol Catalog Number	FBM-10-4908
Supplier Catalog Number	10-4908
Alternative Catalog Number	FBM-10-4908-5MG, FBM-10-4908-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ERO1A inhibitor...
Molecular Weight	451.23
Purity	98% by TLC NMR (Conforms)
Form	Orange/red solid
Formula	C21H11Cl2F3N2O2
Application Notes	I2 is an inhibitor of the oxidoreductase ERO1A (IC50 = 8.1 $\mu$ M), a mediator of the unfolded protein response (UPR). <sup>1</sup> Under cancer-related hypoxia conditions, ERO1A favors the folding of the angiogenic protein VEGFA leading to cancer cell growth and spread. I2 inhibited the metabolic activity of DMA-MB-231 triple negative breast cancer cells and impaired migration and VEGF secretion. Tumors in C57/BL6Jmice showed decreased levels of VEGF and PD-L1 when treated with I2.