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Product Datasheet

ML210, CAS [[1360705-96-9]] FBM-10-4002

Article Name	ML210, CAS [[1360705-96-9]]
Biozol Catalog Number	FBM-10-4002
Supplier Catalog Number	10-4002
Alternative Catalog Number	FBM-10-4002-10MG, FBM-10-4002-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	GPX4 inhibitor / Ferroptosis inducer...
Molecular Weight	475.32
Purity	99% by HPLC, NMR (Conforms)
Form	White solid
CAS Number	[1360705-96-9]
Formula	C22H20Cl2N4O4
Application Notes	ML210 is selectively synthetic lethal to HRAS expressing cells compared to isogenic non-HRAS cells (IC50 = 7.1 nM for BJeLR (expressing HRASg12v) cells vs IC50 = 272 nM for BJeH-LT (non-HRAS expressing) cells. ¹ ML210 is able to inhibit glutathione peroxidase 4 (GPX4), an important selenoenzyme that protects cells from ferroptosis caused by iron catalyzed formation of free radicals from lipid peroxides. ^{2,3} Treatment of several treatment-resistant cancer cell lines exhibiting a high mesenchymal state with ML210 resulted in selective induction of ferroptosis. ³