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Product Datasheet

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

Artikelname	ML210, CAS [[1360705-96-9]]
Artikelnummer	FBM-10-4002
Hersteller Artikelnummer	10-4002
Alternativnummer	FBM-10-4002-10MG, FBM-10-4002-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	GPX4 inhibitor / Ferroptosis inducer...
Molekulargewicht	475.32
Reinheit	99% by HPLC, NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1360705-96-9]
Formel	C22H20Cl2N4O4
Anwendungsbeschreibung	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