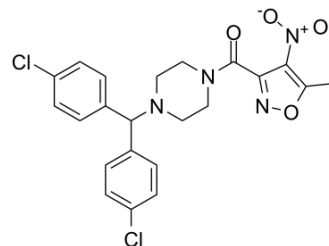


ML-210

Cat. No.:	HY-100003
CAS No.:	1360705-96-9
Molecular Formula:	C ₂₂ H ₂₀ Cl ₂ N ₄ O ₄
Molecular Weight:	475.32
Target:	Glutathione Peroxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	ML-210—the most potent compound in the nitroisoxazole series—is a selective covalent inhibitor of glutathione peroxidase 4 (GPX4) by binding the selenocysteine residue ^[1] . ML-210 has IC ₅₀ s of 71 nM, 272 nM and 107nM for BJeLR (HRAS _{V12}), BJeH-LT (without HRAS _{V12}) and DRD cell lines, respectively ^[2] .
IC ₅₀ & Target	Glutathione Peroxidase 4 (GPX4) ^[1]

REFERENCES

- [1]. John K. Eaton, et al. Targeting a Therapy-Resistant Cancer Cell State Using Masked Electrophiles as GPX4 Inhibitors. *Biorxiv*. 2018.
- [2]. Weiwier M, et al. Development of small-molecule probes that selectively kill cells induced to express mutant RAS. *Bioorg Med Chem Lett*. 2012 Feb 15;22(4):1822-6.

Caution: Product has not been fully validated for medical applications. For research use only.

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