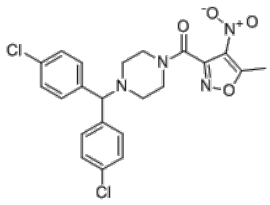
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	ML210
Cat. No.	:	PC-38298
CAS No.	:	1360705-96-9
Molecular Formula	:	$C_{22}H_{20}Cl_2N_4O_4$
Molecular Weight	:	475.32
Target	:	Ras
Solubility	:	10 mM in DMSO



Biological Activity

ML210 (CID 49766530) is a small-molecule probe that selectively kill cells induced to express mutant **RAS**.
ML210 is a selective covalent inhibitor of cellular glutathione peroxidase 4 (**GPX4**) with EC50 of 30 nM.
ML210 displays nanomolar potency (IC50=71 nM) against immortalized BJ fibroblasts expressing HRASV12.
ML-210 binds the GPX4 selenocysteine residue.
ML210 exhibits cell-killing activity similar to RSL3 and ML162 across a panel of 821 cancer cell lines.

References

Joshua A Bittker, et al. Probe Reports from the NIH Molecular Libraries Program [Internet]. 2011

Weïwer M, et al. ***Bioorg Med Chem Lett.*** 2012 Feb 15;22(4):1822-6.

Zhou L, et al. ***Small.*** 2021 Nov;17(47):e2103919.

John K Eaton, et al. ***Nat Chem Biol.*** 2020 May;16(5):497-506.

E-mail: tech@probechem.com