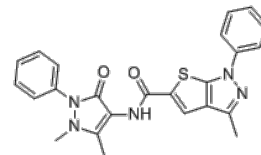


Product Name : MYLS22
Cat. No. : PC-38609
CAS No. : 306959-01-3
Molecular Formula : C₂₄H₂₁N₅O₂S
Molecular Weight : 443.52
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

MYLS22 is a specific, nontoxic small molecule inhibitor of the inner mitochondrial membrane mitochondrial fusion protein optic atrophy 1 (OPA1), curtails tumor growth and metastasis in vitro and in vivo.

MYLS22 downregulates the angiogenic factors (FGFR, FGF, EGF, and PDGF) used by tumors escaping from VEGF inhibitors. MYLS22 (peritumoral injection 10 mg/kg/die) curtailed tumor growth, did not display any additive effect in Opa1+/ΔEC mice.

Pharmacological OPA1 inhibition via MYLS22 reduces breast cancer hallmarks in vitro.

References

Herkenne S, et al. Cell Metab. 2020 May 5;31(5):987-1003.e8.

Corrado M, et al. Cell Death Differ. 2021 Jul;28(7):2194-2206.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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