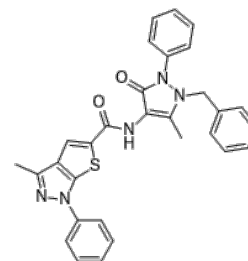


Product Name : Opa1 inhibitor 0
Cat. No. : PC-24926
CAS No. :
Molecular Formula : C₃₀H₂₅N₅O₂S
Molecular Weight : 519.62
Target : Dynamin
Solubility : 10 mM in DMSO



Biological Activity

Opa1 inhibitor 0 (Opitor-0) is a reversible, noncompetitive inhibitor of mitochondrial dynamin-related protein **Optic Atrophy 1 (OPA1)** with IC₅₀ of 3.0 uM against GTPase activity, effectively induces mitochondrial fragmentation in both human and mouse cells.

Opitor-0 significantly more potent than MYLS22.

Opitor-0 enhances apoptotic mitochondrial cytochrome c release and restore breast cancer cell sensitivity to the Bcl-2 inhibitor ABT-737.

Opitor-0 reverts breast cancer cell resistance to Bcl-2 inhibition in MDA-MB-231 cells.

References

Pellattiero A, et al. *Sci Adv.* 2025 Jul 4;11(27):eadx4562.

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

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