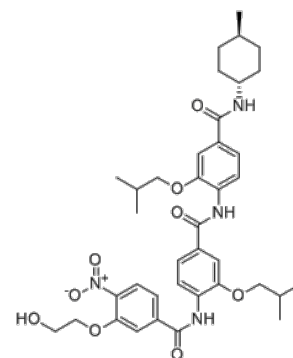


Product Name : ERX-41
Cat. No. : PC-38797
CAS No. : 2440087-54-5
Molecular Formula : C₃₈H₄₈N₄O₉
Molecular Weight : 704.821
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

ERX-41 is a small molecule that binds to **lysosomal acid lipase A (LIPA)**, and induces endoplasmic reticulum (ER) stress resulting in cell death, blocks proliferation of ER- α^+ BC cells and TNBC cells in vitro.

ERX-41 activity is independent of LIPA lipase function but dependent on its ER localization.

ERX-41 binding of LIPA decreases expression of multiple ER-resident proteins involved in protein folding.

ERX-41 shows no adverse effects either on normal mammary epithelial cells or in mice.

References

Liu X, et al. *Nat Cancer*. 2022 Jun 2. doi: 10.1038/s43018-022-00389-8.

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

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