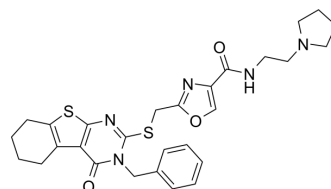


Autophagonizer

Cat. No.:	HY-111287
CAS No.:	853136-76-2
Molecular Formula:	C ₂₈ H ₃₁ N ₅ O ₃ S ₂
Molecular Weight:	549.71
Target:	Autophagy
Pathway:	Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Autophagonizer (DK-1-49) is a small molecule autophagy inducer that results in an accumulation of autophagy-associated LC3-II and enhances levels of autophagosomes and acidic vacuoles. Autophagonizer inhibits cell viability and induces cell death in not only cancer cells but also Bax/Bak double-knockout cells with EC₅₀ values of 3-4 μM^[1].

REFERENCES

[1]. Nguyen J, et al. Facile synthesis of autophagonizer and evaluation of its activity to induce autophagic cell death in apoptosis-defective cell line. *Bioorg Med Chem Lett*. 2016 Oct 1;26(19):4753-4756.

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

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