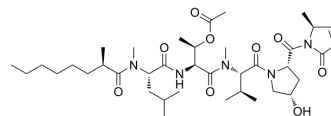


## Microcolin H

Cat. No.:	HY-163001
CAS No.:	2408008-21-7
Molecular Formula:	C <sub>38</sub> H <sub>63</sub> N <sub>5</sub> O <sub>9</sub>
Molecular Weight:	733.93
Target:	Autophagy; p62; Atg8/LC3
Pathway:	Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Microcolin H is a marine lipopeptide and phosphatidylinositol transfer protein ligand that targets PITPα/β. Microcolin H increases the conversion of LC3I to LC3II and reduces p62 levels in cancer cells, leading to autophagy cell death (Autophagy). Microcolin H effectively inhibits tumor development and has anti-proliferative activity in nude mouse subcutaneous tumor models <sup>[1]</sup> .
IC <sub>50</sub> & Target	Phosphatidylinositol transfer protein, PITPα/β <sup>[1]</sup>

### REFERENCES

[1]. Yang H et al. Microcolin H, a novel autophagy inducer, exerts potent antitumour activity by targeting PITPα/β. *Signal Transduct Target Ther.* 2023 Nov 15;8(1):428.

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

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