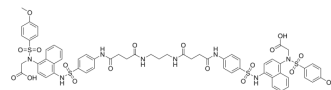


biKEAP1

Cat. No.:	HY-162152
Molecular Formula:	C ₆₁ H ₆₀ N ₈ O ₁₈ S ₄
Molecular Weight:	1321.43
Target:	Keap1-Nrf2
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

biKEAP1 (compound 3) is an inhibitor targeting the dimerKEAP1. biKEAP1 binds to cellular KEAP1 dimers and releases the NRF2 protein sequestered by KEAP1, resulting in immediate activation of NRF2. biKEAP1 also promotes nuclear translocation of NRF2 and directly inhibits proinflammatory cytokine transcription. biKEAP1 can reduce acute inflammation and reduce inflammatory damage in acute inflammation models^[1].

REFERENCES

[1]. Lu M, et al. Bivalent inhibitors of the BTB E3 ligase KEAP1 enable instant NRF2 activation to suppress acute inflammatory response. Cell Chem Biol. 2023 Dec 21:S2451-9456(23)00435-X.

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

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