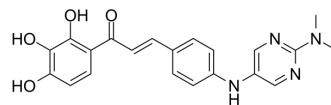


Chalcones A-N-5

Cat. No.:	HY-145858
CAS No.:	2756846-09-8
Molecular Formula:	C ₂₁ H ₂₀ N ₄ O ₄
Molecular Weight:	392.41
Target:	Ferroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Chalcones A-N-5 is a trihydroxy chalcone derivative compound. Chalcones A-N-5 doesn't show cytotoxicity at the concentration lower than 100 μ M (with IC₅₀ > 1 mM), but has a significant effect on promoting cell proliferation. Chalcones A-N-5 potentially promotes neuronal cell growth in the damaged brain tissue. Chalcones A-N-5 also inhibits ferroptosis induced by RSL or erastin and reduces the lipid peroxidation levels induced by A β 1-42 protein aggregation. Chalcones A-N-5 is a promising molecular skeleton candidate for further development of lead compound for in vivo test to research AD^[1].

REFERENCES

[1]. Liu Y, et al. Rational design, synthesis and activities of hydroxylated chalcones as highly potent dual functional agents against Alzheimer's disease. *Bioorg Chem.* 2022;122:105662.

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

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