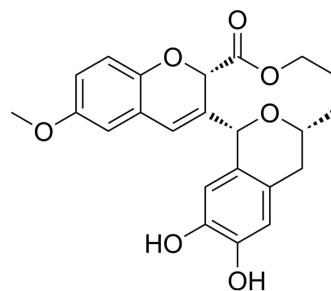


JE-133

Cat. No.:	HY-163151
CAS No.:	2579171-69-8
Molecular Formula:	C ₂₃ H ₂₄ O ₇
Molecular Weight:	412.43
Target:	PI3K; Akt; p38 MAPK
Pathway:	PI3K/Akt/mTOR; MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

JE-133 is an optically active isochromane-2H-chromene conjugate. JE-133 exhibits antioxidant and anti-inflammatory activities. JE-133 is a neuroprotective agent that effectively inhibits neuronal oxidative damage associated with PI3K/Akt and MAPK signaling pathways. JE-133 can also inhibit lipopolysaccharide (LPS) (HY-D1056)-induced neuroinflammation by regulating JAK/STAT and Nrf2 signaling pathways^{[1][2]}.

REFERENCES

[1]. Tao L, et al. JE-133 Suppresses LPS-Induced Neuroinflammation Associated with the Regulation of JAK/STAT and Nrf2 Signaling Pathways[J]. ACS Chemical Neuroscience, 2024.

[2]. Tao L, et al. An optically active isochroman-2 H-chromene conjugate potently suppresses neuronal oxidative injuries associated with the PI3K/Akt and MAPK signaling pathways[J]. Acta Pharmacologica Sinica, 2021, 42(1): 36-44.

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

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