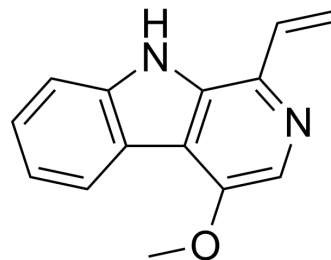


Dehydrocrenatine

Cat. No.:	HY-N3711
CAS No.:	26585-13-7
Molecular Formula:	C ₁₄ H ₁₂ N ₂ O
Molecular Weight:	224.26
Target:	JNK; ERK; Apoptosis
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dehydrocrenatidine, a β-carboline alkaloid that can be isolated from *Picrasma quassioides*. Dehydrocrenatidine induces cell apoptosis by activates ERK and JNK. Dehydrocrenatidine inhibits invasion and migration of cancer cells, it also suppresses neuronal excitability to exert analgesic effects^{[1][2]}.

REFERENCES

[1]. Ho HY, et al. Apoptotic effects of dehydrocrenatidine via JNK and ERK pathway regulation in oral squamous cell carcinoma. *Biomed Pharmacother.* 2021 May;137:111362.

[2]. Hsieh MC, et al. Dehydrocrenatidine extracted from *Picrasma quassioides* induces the apoptosis of nasopharyngeal carcinoma cells through the JNK and ERK signaling pathways. *Oncol Rep.* 2021 Aug;46(2):166.

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

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