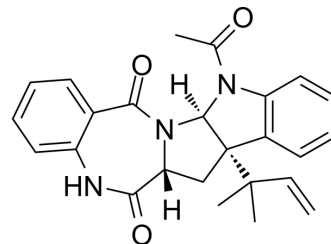


Acetylaszonalenin

Cat. No.:	HY-119552
CAS No.:	42230-55-7
Molecular Formula:	C ₂₅ H ₂₅ N ₃ O ₃
Molecular Weight:	415.48
Target:	Endogenous Metabolite; Neurokinin Receptor
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Acetylaszonalenin, a prenylated indole derivative, is a fungal metabolite. Acetylaszonalenin is a potent neurokinin-1 (NK1) receptor antagonist. Acetylaszonalenin shows inhibition of [³ H]-SP binding to human astrocytoma cells with a K _i of 170 μM [1][2].	
IC₅₀ & Target	Fungal Metabolite	NK1

REFERENCES

[1]. Wen-Bing Yin, et al. Acetylaszonalenin biosynthesis in *Neosartorya fischeri*. Identification of the biosynthetic gene cluster by genomic mining and functional proof of the genes by biochemical investigation. *J Biol Chem*. 2009 Jan 2;284(1):100-109.

[2]. C J Barrow, et al. Spiroquinazoline, a novel substance P inhibitor with a new carbon skeleton, isolated from *Aspergillus flavipes*. *J Nat Prod*. 1994 Apr;57(4):471-6.

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

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