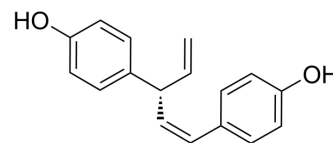


Nyasol

Cat. No.:	HY-138050
CAS No.:	96895-25-9
Molecular Formula:	C ₁₇ H ₁₆ O ₂
Molecular Weight:	252.31
Target:	NO Synthase; Bacterial; Fungal; Parasite; Leukotriene Receptor
Pathway:	Immunology/Inflammation; Anti-infection; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Nyasol ((-)-Nyasol) is an active compound that has antifungal, antibacterial, antileishmanial, hyaluronidase inhibition activities. Nyasol inhibits LTB₄ binding to human neutrophils. Nyasol suppresses neuroinflammatory response through the inhibition of I-κB degradation in LPS (HY-D1056)-stimulated BV-2 microglial cells^{[1][2]}.

REFERENCES

- [1]. Lim H, et al. (-)-Nyasol (cis-hinokiresinol), a norneolignan from the rhizomes of *Anemarrhena asphodeloides*, is a broad spectrum inhibitor of eicosanoid and nitric oxide production. *Arch Pharm Res.* 2009 Nov;32(11):1509-14.
- [2]. Iida Y, et al. In vitro synergism between nyasol, an active compound isolated from *Anemarrhena asphodeloides*, and azole agents against *Candida albicans*. *Planta Med.* 2000 Jun;66(5):435-8.
- [3]. Lee HJ, et al. (-)-Nyasol, isolated from *Anemarrhena asphodeloides* suppresses neuroinflammatory response through the inhibition of I-κBα degradation in LPS-stimulated BV-2 microglial cells. *J Enzyme Inhib Med Chem.* 2013 Oct;28(5):954-9.

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

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