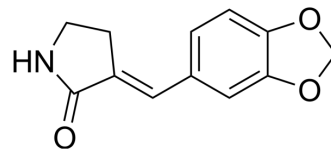


KNK423

Cat. No.:	HY-114664
CAS No.:	1859-42-3
Molecular Formula:	C ₁₂ H ₁₁ NO ₃
Molecular Weight:	217.22
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

KNK423 is a specific heat shock protein (HSP) synthesis inhibitor. KNK423 improves the efficiency of Amphotericin B in inhibiting resistant *Aspergillus terreus* by blocking HSP70. KNK423 can be used in cancer and bacterial infection research^[1] [2].

REFERENCES

- [1]. Koishi M, et al. The effects of KNK437, a novel inhibitor of heat shock protein synthesis, on the acquisition of thermotolerance in a murine transplantable tumor in vivo. *Clin Cancer Res.* 2001 Jan;7(1):215-9.
- [2]. Blatzer M, et al. Blocking Hsp70 enhances the efficiency of amphotericin B treatment against resistant *Aspergillus terreus* strains. *Antimicrob Agents Chemother.* 2015 Jul;59(7):3778-88.

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

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