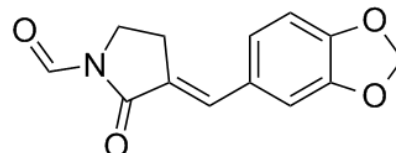


Product Name : KNK437
Cat. No. : PC-42056
CAS No. : 218924-25-5
Molecular Formula : C₁₃H₁₁NO₄
Molecular Weight : 245.2307
Target : Heat Shock Protein (HSP)
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

KNK437 is an inhibitor of **Heat shock protein (HSP) synthesis** that dose-dependently inhibits the acquisition of thermotolerance and the induction of various HSPs including HSP105, HSP70, and HSP40 in human colon carcinoma cells. KNK437 inhibits the acquisition of thermotolerance as developed by sodium arsenite, also inhibits at mRNA levels. KNK437 shows no antitumor effects and does not increase the thermosensitivity of nontolerant tumors in vivo (up to 200 mg/kg).

References

- Yokota S, et al. **Cancer Res.** 2000 Jun 1;60(11):2942-8.
Koishi M, et al. **Clin Cancer Res.** 2001 Jan;7(1):215-9.
Guo F, et al. **Cancer Res.** 2005 Nov 15;65(22):10536-44.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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