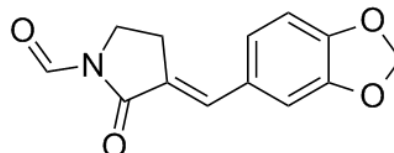


Product Name : KNK-437
Cat. No. : PC-42056
CAS No. : 218924-25-5
Molecular Formula : C₁₃H₁₁NO₄
Molecular Weight : 245.2307
Target : Heat Shock Protein (HSP)
Solubility : DMSO: ≥ 34 mg/mL



Biological Activity

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; inhibits the acquisition of thermotolerance as developed by sodium arsenite, also inhibited at mRNA levels; shows no antitumor effects and does not increase the thermosensitivity of nontolerant tumors in vivo (up to 200 mg/kg).

Colon Cancer
Preclinical

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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