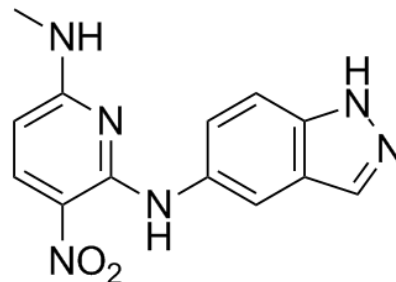


Product Name : KRIBB11
Cat. No. : PC-42278
CAS No. : 342639-96-7
Molecular Formula : C₁₃H₁₂N₆O₂
Molecular Weight : 284.27338
Target : Heat Shock Protein (HSP)
Solubility : DMSO: ≥ 27 mg/mL



Biological Activity

KRIBB11 is a small molecule heat shock factor 1 (**HSF1**) inhibitor with IC₅₀ of 1.2 μM. KRIBB11 inhibits HSF1 downstream target proteins HSP70 and HSP72 synthesis, induces growth arrest and apoptosis in HCT-116 cells, inhibits HSF1-dependent recruitment of p-TEFb to the hsp70 promoter. KRIBB11 inhibits tumor growth without body weight loss in mice model.

References

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- Kang MJ, et al. *Biochem Biophys Res Commun*. 2017 Oct 21;492(3):304-309.
- Carpenter RL, et al. *Oncotarget*. 2017 May 22;8(43):73947-73963.
- Samarasinghe B, et al. *Biochem Pharmacol*. 2014 Feb 1;87(3):445-55.

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

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