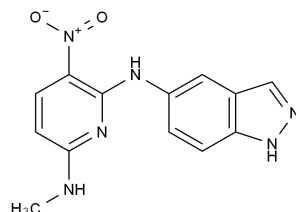


Product Name : KRIBB11
Synonyms : KRIBB-11;KRIBB 11
Cat No. : M14166
CAS Number : 342639-96-7
Molecular Formula : C₁₃H₁₂N₆O₂
Formula Weight : 284.27
Chemical Name : 2,6-Pyridinediamine, N2-1H-indazol-5-yl-N6-methyl-3-nitro-



Description : KRIBB11 is a small molecule heat shock factor 1 (HSF1) inhibitor with IC₅₀ of 1.2 μM; 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; inhibits tumor growth without body weight loss in mice model.
Pathway : Cytoskeleton/Cell Adhesion Molecules
Target : HSP
Receptor : HSF1
Solubility : DMSO: ≥ 27 mg/mL
SMILES : O=[N+](C1=CC=C(NC)N=C1NC2=CC3=C(NN=C3)C=C2)[O-]
Storage : (-20°C)
Stability : ≥ 2 years
Reference :

1. Yoon YJ, et al. J Biol Chem. 2011 Jan 21;286(3):1737-47. | 2. Kang MJ, et al. Biochem Biophys Res Commun. 2017 Oct 21;492(3):304-309. | 3. Carpenter RL, et al. Oncotarget. 2017 May 22;8(43):73947-73963. | 4. Samarasinghe B, et al. Biochem Pharmacol. 2014 Feb 1;87(3):445-55.