

KRIBB11

Catalog No: tcsc6111



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

342639-96-7

Formula:

$C_{13}H_{12}N_6O_2$

Pathway:

Metabolic Enzyme/Protease;Cell Cycle/DNA Damage

Target:

HSP;HSP

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 27 mg/mL (94.98 mM)

Observed Molecular Weight:

284.27

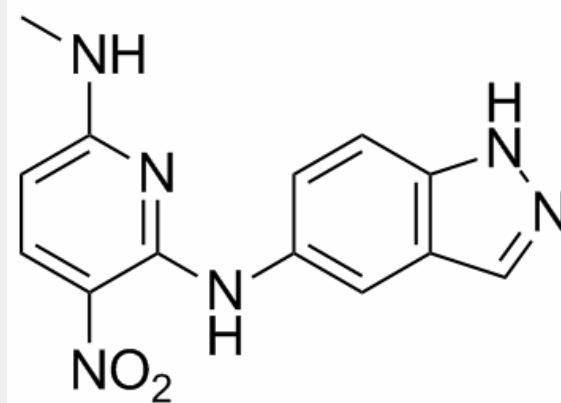
Product Description

KRIBB11 is an inhibitor of **Heat shock factor 1 (HSF1)**, with **IC₅₀** of 1.2 μ M.

IC50 & Target: IC50: 1.2 μ M (HSF1)^[1]

In Vitro: KRIBB11 blocks the induction of HSF1 downstream target proteins such as HSP27 and HSP70. KRIBB11 induces growth arrest and apoptosis of HCT-116 cells. KRIBB11 inhibits HSF1-dependent recruitment of p-TEFb (positive transcription elongation factor b) to the hsp70 promoter^[1]. PARP and caspase-3 cleavage is increased in cells treated with KRIBB11. Incubating RKO with KRIBB11, shows a toxic threshold of about 10 μ M, and an IC₅₀ of 20-30 μ M^[2].

In Vivo: KRIBB11 (50 mg/kg, i.p.) results in a 47.4% inhibition of tumor growth in nude mice, without body weight loss^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!