Creative Enzymes®

17-AAG, Hsp90 inhibitor

Cat. No. CEI-0984

Lot. No. (See product label)

Introduction

Description	NVP-AUY922 potently inhibits HSP90 with IC50 values of 7.8 nM and 21 nM, and Ki values of 9 nM and 8.2 nM for HSP90α and HSP90β, respectively. NVP-AUY922 shows a very high binding affinity to HSP90β with a Kd of 1.7 nM. NVP-AUY922 inhibits the proliferation of human tumor cells in vitro with GI50 values of approximately 2 to 40 nM, inducing G1-G2 arrest and apoptosis. Human endothelial cells are very sensitive to NVP-AUY922 with GI50s of 2.5-3.9 nM. NVP-AUY922 also exhibits potent antitumor efficacy in human tumor xenografts including BT474 breast, A2780 ovarian, U87MG glioblastoma, PC3 prostate, and WM266.4 melanoma.
Synonyms	AUY922, VER-52296

Product Information

Appearance	White to off-white solid.
CAS No.	747412-49-3
Molecular Formula	C26H31N3O5
Molecular Weight	465.5 Da
Purity	>99%
Targets	HSP90, HSP90α, HSP90β
IC50	HSP90：7.8 nM and 21 nM
Solubility	Soluble in DMSO at 100 mg/ml; soluble in ethanol at 100 mg/ml; very poorly soluble in water; maximum solubility in plain water is estimated to be about 25-50 μM; buffers, serum, or other additives may increase or decrease the aqueous solubility.

Storage and Shipping Information

Stability	Store at or below –20°C. Solid form is stable at least 12 months from date of receipt, when stored as directed. Do not store aqueous solutions for more than one day.