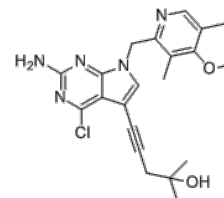


Product Name : EC144
Cat. No. : PC-21226
CAS No. : 911397-80-3
Molecular Formula : C₂₁H₂₄ClN₅O₂
Molecular Weight : 413.91
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

EC144 (EC-144) is a potent, second generation inhibitor of heat shock protein 90 (**Hsp90**) with IC₅₀ of 1.1 nM in Hsp90α binding assay, degrades Her-2 in MCF-7 cells with EC₅₀ of 14 nM.

EC144 inhibits tumor growth at 5 mg/kg and causes partial tumor regressions at 10 mg/kg (po, qd × 5) in mouse model of gastric tumors (N87).

EC144 is approximately 20-fold more efficacious than BIIB021 (Cat# PC-42459).

EC144 blocks LPS-induced TLR4 signaling in RAW 264.7 cells by inhibiting activation of ERK1/2, MEK1/2, JNK, and p38 MAPK but not NF-κB.

EC144 blocks disease development in rat collagen-induced arthritis by suppressing the inflammatory response.

References

Shi J, et al. *J Med Chem.* 2012 Sep 13;55(17):7786-95.

Yun TJ, et al. *J Immunol.* 2011 Jan 1;186(1):563-75.

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

E-mail: tech@probechem.com