

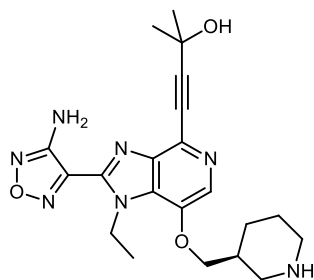
Catalog # 10-1310

GSK-690693 HCl

CAS# 937174-76-0

(S)-4-(2-(4-Amino-1,2,5-oxadiazol-3-yl)-1-ethyl-7-(piperidin-3-ylmethoxy)-1H-imidazo[4,5-c]pyridine-4-yl)-2-methylbut-3-yn-2-ol · HCl

Lot # X104133



HCl

A novel ATP-competitive pan-specific Akt kinase inhibitor. (IC₅₀'s=2, 13, 9 nM for Akt1, 2 and 3 respectively) Antitumor activity. Active *in vivo*. Induces hyperglycemia. Cell permeable.

- 1) Rhodes *et al.* (2008), *Characterization of an Akt kinase inhibitor with potent pharmacodynamics and antitumor activity*; *Cancer Res.*, **68** 2366
- 2) Crouthamel *et al.* (2009), *Mechanism and management of AKT inhibitor-induced hyperglycemia*; *Clin. Cancer Res.*, **15** 217

PHYSICAL DATA

Molecular Weight:	461.96
Molecular Formula:	C ₂₁ H ₂₇ N ₇ O ₃ · HCl
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 10 mg/ml) or Water (up to 30 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.