



LKT Laboratories, Inc.

SU-1498

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## Product Information

Product ID S8098

CAS No. 168835-82-3

Chemical Name (E)-N-(3-Phenylpropyl)-a-cyano-3',5'-diisopropyl-4'-hydroxycinnamamide

Synonym

Formula  $C_{25}H_{30}N_2O_2$

Formula Wt. 390.5

Melting Point

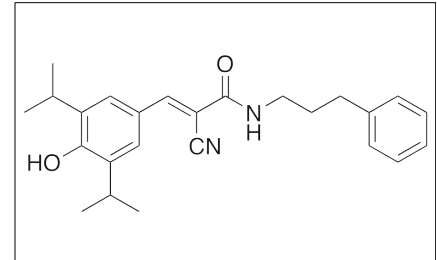
Purity  $\geq 98\%$

Solubility DMSO (25mg/ml), Ethanol (20mg/ml)

Store Temp 4° C

Ship Temp Ambient

**Description** SU-1498 is a tyrosinase inhibitor of VEGFR that exhibits anticancer chemotherapeutic and anti-angiogenic activities. In vivo, SU-1498 inhibits angiogenesis, preventing VEGF-induced renal development and VEGFR2-mediated neurogenesis. SU-1498 also inhibits signal transmission from Akt, ERK1/2, Src, and STAT, decreasing phosphorylation of EGFRs and inhibiting autocrine growth and viability of cells.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
S8098	5 mg	\$78.50
S8098	25 mg	\$353.20

**References** Ligeza J, Ligeza J, Klein A. Growth factor/growth factor receptor loops in autocrine growth regulation of human prostate cancer DU145 cells. *Acta Biochim Pol.* 2011;58(3):391-6. PMID: 21887406.

Lu KT, Sun CL, Wo PY, et al. Hippocampal neurogenesis after traumatic brain injury is mediated by vascular endothelial growth factor receptor-2 and the Raf/MEK/ERK cascade. *J Neurotrauma.* 2011 Mar;28(3):441-50. PMID: 21091268

Lee SJ, Cho SJ, Ju SY, et al. Effect of retinoic acid on renal development in newborn mice treated with an angiogenesis inhibitor. *Pediatr Int.* 2010 Jun;52(3):386-92. PMID: 19761519

Boguslawski G, McGlynn PW, Harvey KA, et al. SU1498, an inhibitor of vascular endothelial growth factor receptor 2, causes accumulation of phosphorylated ERK kinases and inhibits their activity in vivo and in vitro. *J Biol Chem.* 2004 Feb 13;279(7):5716-24. PMID: 14625306.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.