

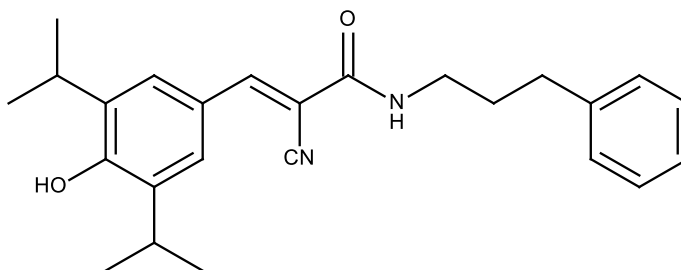
Catalog # 10-2074

SU-1498

CAS# 168835-82-3

(E)-N-(3''-Phenylpropyl)- α -cyano-3',5'-diisopropyl-4'-hydroxycinnamamide

Lot # X101113



Potent, reversible, selective inhibitor of VEGFR-2, also known as Flk-1 ($IC_{50} = 700$ nM). Inhibition of VEGFR-2 blocks angiogenesis in both in vitro and in vivo models. Cell permeable.

- 1) Cho *et al.* (2005), *Retinoic acid and erythropoietin maintain alveolar development in mice treated with an angiogenesis inhibitor*; Am. J. Respir. Cell Mol. Biol., **33** 622
- 2) Wang *et al.* (2002), *Interplay between integrins and FLK-1 in shear stress-induced signaling*; Am. J. Physiol. Cell Physiol., **283** C1540
- 3) Strawn *et al.* (1996), *FLK-1 as a target for tumor growth inhibition*; Cancer Res., **56** 3540

PHYSICAL DATA

Molecular Weight:	390.52
Molecular Formula:	C ₂₅ H ₃₀ N ₂ O ₂
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO
Physical Description:	Pale yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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