LKT Laboratories, Inc.

SU-5402

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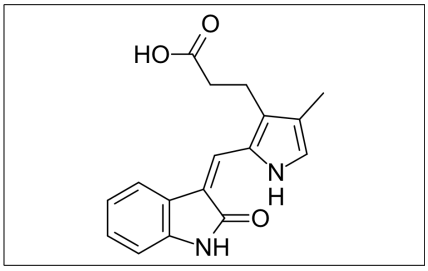
Product Information

Product ID S801001
CAS No. 215543-92-3
Chemical Name

Synonym SU5402; 3-[3-(2-Carboxyethyl)-4-methylpyrrol-2-methylidenyl] -2-indolinone

Formula $C_{17}H_{16}N_2O_3$
Formula Wt. 296.33
Melting Point
Purity ≥98%
Solubility



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
S801001	5 mg	$75.00
S801001	25 mg	$245.00

Store Temp -20°C
Ship Temp Ambient
Description SU-5402 is an inhibitor of vascular endothelial growth factor receptor 2 (VEGFR-2), platelet-derived growth factor receptor (PDGFR), and fibroblast growth factor receptor (FGFR). In multiple myeloma, SU5402 worked with PD173074 to supress tumor growth via FGFR3 inhibition. SU5402 was used to examine the role of FGFR during neural crest differentiation, where its inhibition promoted human pluripotent stem cells to commit to a neural crest cell fate. TEST!!!!!!

References

Sun L., Tran N., et al. Design, synthesis, and evaluations of substituted 3-[(3- or 4-carboxyethylpyrrol-2-yl)methylidenyl]indolin -2-ones as inhibitors of VEGF, FGF, and PDGF receptor tyrosine kinases. J Med Chem. 42(25):5120-30 (1999). PMID: 10602697.

Grand E., Chase A., et al. Targeting FGFR3 in multiple myeloma: inhibition of t(4;14)-positive cells by SU5402 and PD173074. Leukemia. 18(5):962-6 (2004). PMID: 15029211.

Jaroonwitchawan T., Muangchan P., et al. Inhibition of FGF signaling accelerates neural crest cell differentiation of human pluripotent stem cells. Biochem Biophys Res Commun. 481(1-2):176-181 (2016). PMID: 27816457.