NEUROMICS

SU-5402 Data Sheet

Catalog Number:	MC11113	**Product Type:**	Small Molecule
Bio-Activity:	FGFR Phosphorylation inhibitor	**CAS #:**	215543-92-3
Research Categories:	Stem cells, cancer	**Chemical Name:**	3-[4-Methyl-2-(2-oxo-1,2-dihydro-indol-3-ylidenemethyl)-1H-pyrrol-3-yl]-propionic acid
Solubility:	Soluble in DMSO (up to 10 mg/ml).	**Molecular Formula:**	C17H16N2O3
Purity:	> 98%	**Molecular Weight:**	296.32
Format:	Powder	**Ship Temp:**	Ambient
Storage:	-20°C		

Application Notes

Description/Data:
Inhibits FGFR phosphorylation in vitro, in cell culture [1], and in mouse tumor cell models [2]. SU-5402 can suppress ECP induced cardiomyocyte differentiation of P19CL6 embryonic carcinoma cells via an FGFR3 dependent pathway [3].

References:

1) Lee et al. (2013), Interleukin-1β enhances cell migration through AP-κ1 and NF-B pathway dependent FGF2 expression in human corneal endothelial cells; Biol. Cell, epub ahead of print Jan. 18 2013

2) Paterson et al. (2004), Preclinical studies of fibroblast growth factor receptor 3 as a therapeutic target in multiple myeloma; Br. J. Haematol., 124 595

3) Jin et al. (2012), Eosinophil cationic protein enhances cardiomyocyte differentiation of P19CL6 embryonal carcinoma cells by stimulation the FGF receptor signaling pathway; Growth Factors, 30 344

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