

SU-4312

Cat. No. CEI-0976

Lot. No. (See product label)

Introduction

Description

Potent and selective inhibitor of VEGF receptor tyrosine kinase (Flk-1, KDR). Inhibits unactivated kinase 100-fold greater ($IC_{50}=0.04\text{ }\mu\text{M}$) than activated kinase ($IC_{50}=4.0\text{ }\mu\text{M}$). Weak inhibitor of PDGF receptor tyrosine kinase ($IC_{50}=19.4\text{ }\mu\text{M}$). Inhibits endothelial cell activation and angiogenesis in a mouse model of Alzheimers disease.

Synonyms

1. 3-(4-Dimethylaminobenzylidene)-1,3-dihydroindol-2-one 2. DMBI

Product Information

Appearance

Orange powder

CAS No.

5812-07-7

Molecular Formula

$C_{17}H_{16}N_2O$

Molecular Weight

264.3

Purity

>98% (TLC); NMR (Conforms)

Targets

VEGFR, PDGFR

Solubility

May be dissolved DMSO (25 mg/ml)