

## 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)