

CERTIFICATE of ANALYSIS

PRODUCT:	PDGFR Tyrosine Kinase Inhibitor V N-(4-((6,7-Dimethoxy-4-quinoyl)oxy)phenyl)-N'-(2-methylbenzoyl)thiourea C ₂₆ H ₂₃ N ₃ O ₄ S·3H ₂ O; M.W. 527.6; CAS# [347155-76-4]
PRODUCT NUMBER:	P-1689
LOT NUMBER:	F1111
APPEARANCE:	Off-white solid
SOLUBILITY:	Soluble in DMSO @ 25mg/ml.
PURITY (HPLC):	97.3%
PRODUCT INFORMATION:	A cell-permeable quinoliny-thiourea compound that acts a potent, ATP-competitive, and reversible inhibitor of PDGFR (IC ₅₀ = 4 and 7.6 nM in ligand-induced cellular PDGFR phosphorylation and in <i>in vitro</i> kinase activity, respectively). Inhibits c-kit receptor only at much higher concentrations (IC ₅₀ = 434 and 234 nM in receptor phosphorylation and kinase activity, respectively). Shown to potently inhibit neointima formation in a rat carotid artery balloon injury model <i>in vivo</i> (30 mg/kg, p.o.).
STORAGE & HANDLING:	Store desiccated at +4°C. Stock solutions are stable for 3 months at -20°C. <u>WARNING:</u> TOXIC! PROTECT FROM LIGHT! CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: KS