



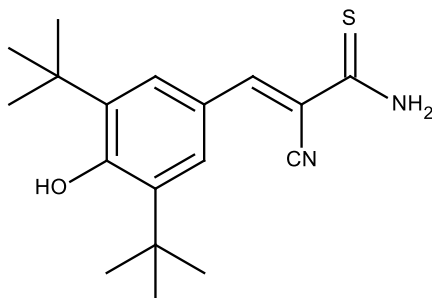
Catalog # 10-1090

AG-879

CAS# 148741-30-4

3,5-Di-*t*-butyl-4-hydroxybenzylidene cyanothioacetamide

Lot # L101074



Inhibits NGF-induced neurite growth in PC12 cells via selective inhibition of NGF receptor(pp140^{c-trk}) autophosphorylation (IC₅₀ = 10 μ M). No inhibition of EGF, or PDGF receptor phosphorylation at typical working concentrations.

- 1) Ohmichi *et al.* (1993), *The tyrosine kinase inhibitor tyrphostin blocks the cellular actions of nerve growth factor*; Biochemistry, **32** 4650

PHYSICAL DATA

Molecular Weight: 316.46
Molecular Formula: C₁₈H₂₄N₂OS
Purity: 99% TLC (5% methanol/methylene chloride, R_f = 0.76)
NMR: (Conforms)
Solubility: DMSO (up to 25 mg/mg), ethanol (up to 25 mg/ml)
Physical Description: Yellow solid
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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