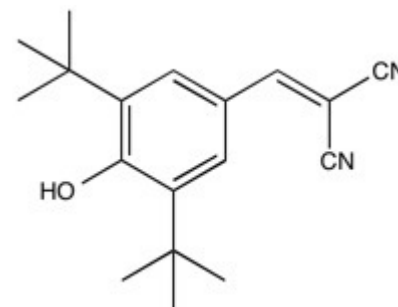


Catalog	Unit
TBI1535-10MG	10 mg
TBI1535-50MG	50 mg

Product Details

Formal Name: 3,5-Di-tert-butyl-4-hydroxybenzylidene-malononitrile
Alternate Names: Tyrphostin a9; Malonoben; AG-17; SF 6847; RG-50872
Molecular Formula: C₁₈H₂₂N₂O
Formula Weight: 282.38
CAS Number: 10537-47-0
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml)
Storage: RT
Stability: ≥ 2 years.



Applications

PDGFRK inhibitor; Oxidative phosphorylation Inhibitor

Functions

Inhibits PDGF receptor tyrosine kinase (IC₅₀ = 1.2 μM) and is a potent (10 nM) inhibitor of oxidative phosphorylation. Inhibits cell growth by disrupting mitochondria. Perturbs the golgi complex and blocks proliferation of vascular smooth muscle cells.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.