

Tyrphostin A9

Catalog No: tcsc1033



Available Sizes

Size: 50mg



Specifications

CAS No:

10537-47-0

Formula:

$C_{18}H_{22}N_2O$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

VEGFR

Purity / Grade:

>98%

Solubility:

H₂O :

Alternative Names:

AG 17;Tyrphostin 9

Observed Molecular Weight:

282.38

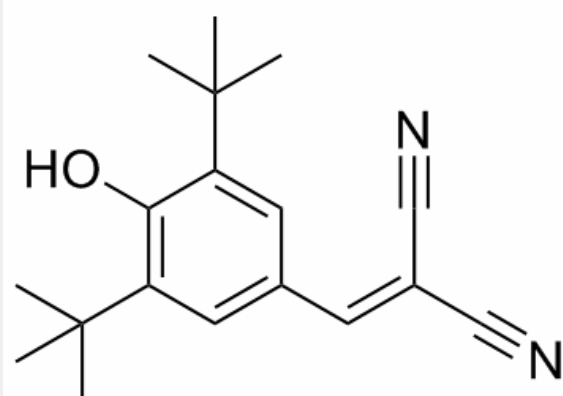
Product Description

Tyrphostin A9(AG 17), a tyrosine kinase inhibitor, is a potent inducer of mitochondrial fission. Tyrphostin A9 emerged as the most potent and selective of 51 tyrosine kinase inhibitors tested against the TNF-induced respiratory burst.

IC₅₀ value:

Target: Multi tyrosine kinase

Tyrphostin A9 inhibited TNF-induced tyrosine phosphorylation of pyk2 without blocking the cells' bactericidal activity. Tyrphostin A9 is a PDGF receptor tyrosine kinase inhibitor ($IC_{50} = 500$ nM). Recent findings suggest that signaling via PDGF receptor tyrosine kinases is not necessary for the shift of the smooth muscle cells from a contractile to a synthetic phenotype. On the other hand these enzymes apparently carry out important functions in the control of intracellular membrane traffic and cell division.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!