



LKT Laboratories, Inc.

AG-18

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Product Information

Product ID A2401

CAS No. 118409-57-7

Chemical Name

Synonym Tyrphostin A23

Formula $C_{10}H_6N_2O_2$

Formula Wt. 186.17

Melting Point

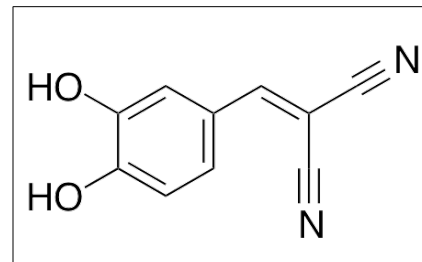
Purity $\geq 98\%$

Solubility DMSO 37 mg/mL
Ethanol 37 mg/mL
Water Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description AG-18 is a tyrphostin that inhibits EGFR and PDGFR; it also blocks Ca^{2+} currents in vascular smooth muscle. AG-18 suppresses clathrin-mediated endocytosis and is often used to study that process.



Bulk quantities available upon request

Product ID	Size
A2401	5 mg
A2401	25 mg

References Montezano AC, Callera GE, Yogi A, et al. Aldosterone and angiotensin II synergistically stimulate migration in vascular smooth muscle cells through c-Src-regulated redox-sensitive RhoA pathways. *Arterioscler Thromb Vasc Biol.* 2008 Aug;28(8):1511-8. PMID: 18467645.

Yaish P, Gazit A, Gilon C, et al. Blocking of EGF-dependent cell proliferation by EGF receptor kinase inhibitors. *Science.* 1988 Nov 11;242(4880):933-5. PMID: 3263702.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.