



LKT Laboratories, Inc.

AG-1024

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A2400

CAS No. 65678-07-1

Chemical Name

Synonym AG1024 (tyrphostin)

Formula $C_{14}H_{13}BrN_2O$

Formula Wt. 305.17

Melting Point

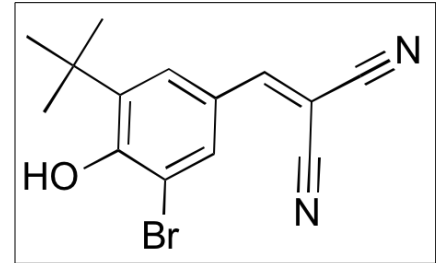
Purity $\geq 98\%$

Solubility DMSO 61 mg/mL (199.88 mM)
Water Insoluble
Ethanol Insoluble

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

Ship Temp Ambient

Description AG-1024 is a tyrphostin that inhibits IGF-1R, exhibiting anticancer chemotherapeutic activity. In hepatocellular carcinoma cells and breast cancer cells, AG-1024 increases levels of cytochrome C, decreases activation of ERK, and inhibits invasion and proliferation.



Bulk quantities available upon request

Product ID	Size
A2400	1 mg
A2400	5 mg

References Yao WF, Liu JW, Sheng GL, et al. Blockade of IGF-1R exerts anticancer effects in hepatocellular carcinoma. *Mol Med Rep.* 2011 Jul-Aug;4(4):719-22. PMID: 21567089.

Chakraborty AK, Welsh A, Digiovanna MP. Co-targeting the insulin-like growth factor I receptor enhances growth-inhibitory and pro-apoptotic effects of anti-estrogens in human breast cancer cell lines. *Breast Cancer Res Treat.* 2010 Apr;120(2):327-35. PMID: 19337828.

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