



LKT Laboratories, Inc.

AG-1024

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Product Information

Product ID A2400

CAS No. 65678-07-1

Chemical Name 2-[(3-bromo-5-tert-butyl-4-hydroxyphenyl)methylidene]propanedinitrile

Synonym AG1024 (tyrphostin)

Formula C₁₄H₁₃BrN₂O

Formula Wt. 305.17

Melting Point

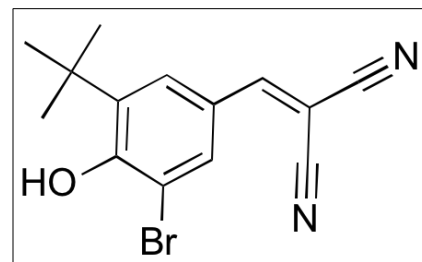
Purity ≥98%

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

Store Temp -20°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.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A2400	1 mg	\$53.30
A2400	5 mg	\$182.60

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.