RG-13022

Tyrosine kinase inhibitor

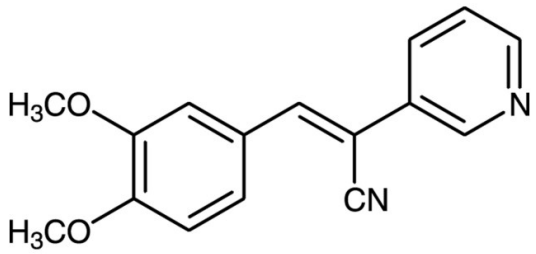
RG-13022 is a non-phenolic tyrphostin analog, which inhibits the EGF receptor (IC_{50}=5 μM) and PDGF receptor tyrosine kinases, and is long-acting. It inhibits EGF-stimulated HER14 cell proliferation (IC_{50}=1 μM) as well as tumor growth *in vivo*. It inhibits both EGF- and PDGF-stimulated DNA synthesis in human glioma cell lines. RG-13022 is non-phenolic and therefore possesses less antioxidant activity than other tyrphostins.

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BML-EI252-0005	5mg

Manuals, SDS & CofA View Online »


H3CO
H3CO
CN
N

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at room temperature for up to 2 years. Store solutions at -20°C for up to 3 months.
Handling	Store tightly sealed in the dark. Protect from light.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	3,4-Dimethoxy-α-(3-pyridyl)-(Z)-cinnamonitrile
Appearance	White solid.
CAS	136831-48-6
Couple Target	EGFR, PDGF receptor
Couple Type	Inhibitor
Formula	$C_{16}H_{14}N_2O_2$
MW	266.3
Purity	≥98% (TLC)
Solubility	Soluble at 25mg/ml in DMSO or 100% ethanol.

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