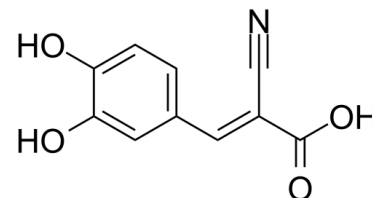


## Data Sheet

<b>Product Name:</b>	Tyrphostin AG30
<b>Cat. No.:</b>	CS-0066283
<b>CAS No.:</b>	122520-79-0
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>7</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	205.17
<b>Target:</b>	EGFR
<b>Pathway:</b>	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
<b>Solubility:</b>	DMSO : 125 mg/mL (609.25 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

Tyrphostin AG30 (AG30) is a potent and selective **EGFR tyrosine kinase** inhibitor. Tyrphostin AG30 (AG30) selectively inhibits self renewal induction by c-ErbB, and is able to inhibit activation of STAT5 by c-ErbB in primary erythroblasts<sup>[1][2]</sup>.

### References:

- [1]. Volberg T, et al. The effect of tyrosine-specific protein phosphorylation on the assembly of adherens-type junctions. EMBO J. 1992 May;11(5):1733-42.
- [2]. Wessely O, et al. Distinct roles of the receptor tyrosine kinases c-ErbB and c-Kit in regulating the balance between erythroid cell proliferation and differentiation. Cell Growth Differ. 1997 May;8(5):481-93.
- [3]. Banerjee S, et al. Epidermal growth factor induces WISP-2/CCN5 expression in estrogen receptor-alpha-positive breast tumor cells through multiple molecular cross-talks. Mol Cancer Res. 2005 Mar;3(3):151-62.

### CAIndexNames:

2-Propenoic acid, 2-cyano-3-(3,4-dihydroxyphenyl)-, (2E)-

### SMILES:

O=C(/C(C#N)=C/C1=CC=C(C(O)=C1)O)O

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA