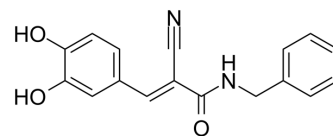


## (E/Z)-AG490

<b>Cat. No.:</b>	HY-107459		
<b>CAS No.:</b>	134036-52-5		
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	294.3		
<b>Target:</b>	EGFR; STAT; JAK		
<b>Pathway:</b>	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt; Epigenetics		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (339.79 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.3979 mL	16.9895 mL	33.9789 mL
	5 mM	0.6796 mL	3.3979 mL	6.7958 mL
	10 mM	0.3398 mL	1.6989 mL	3.3979 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

(E/Z)-AG490 ((E/Z)-Tyrphostin AG490) is a racemic compound of (E)-AG490 and (Z)-AG490 isomers. (E)-AG490 (HY-12000) is a tyrosine kinase inhibitor that inhibits EGFR, Stat-3 and JAK2/3.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

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