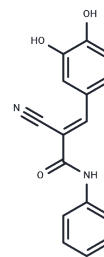


AG-494

## Chemical Properties

CAS No. : 133550-35-3  
 Formula: C<sub>16</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>  
 Molecular Weight: 280.28  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	AG-494 (Tyrphostin B48) is an inhibitor of epidermal growth factor receptor kinase.
Targets(IC50)	EGFR,CDK

## Solubility Information

Solubility	Ethanol: 1.4 mg/mL (5 mM),Sonication is recommended. DMSO: 14 mg/mL (49.95 mM),Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (7.14 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5679 mL	17.8393 mL	35.6786 mL
5 mM	0.7136 mL	3.5679 mL	7.1357 mL
10 mM	0.3568 mL	1.7839 mL	3.5679 mL
50 mM	0.0714 mL	0.3568 mL	0.7136 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gazit, A. et al. Tyrphostins I: Synthesis and biological activity of protein tyrosine kinase inhibitors. Journal of Medicinal Chemistry 32(10), 2344-2352 (1989).

Sagara, Y. et al. Tyrphostins protect neuronal cells from oxidative stress. The Journal of Biological Chemistry 277 (39), 36204-36215 (2002).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481