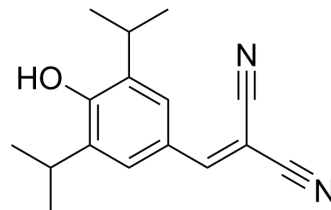


## AG 1406

<b>Cat. No.:</b>	HY-108931		
<b>CAS No.:</b>	71308-34-4		
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>18</sub> N <sub>2</sub> O		
<b>Molecular Weight:</b>	254.33		
<b>Target:</b>	EGFR		
<b>Pathway:</b>	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (393.19 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.9319 mL	19.6595 mL	39.3190 mL
	5 mM	0.7864 mL	3.9319 mL	7.8638 mL
	10 mM	0.3932 mL	1.9659 mL	3.9319 mL

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

### BIOLOGICAL ACTIVITY

#### Description

AG 1406 (compound M19) is a HER2 inhibitor, with an IC<sub>50</sub> of 10.57 μM for HER2 in BT474 cell and >50 μM for EGFR in EGF-3T3 cell<sup>[1]</sup>.

### REFERENCES

[1]. Hui Chen, et al. Methods and compositions for inhibiting cell proliferative disorders. Patent, US5789427A.

**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