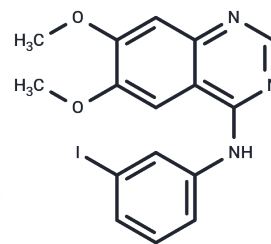


AG1557

## Chemical Properties

CAS No. :	189290-58-2
Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	407.21
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	AG1557 (AG-1557) is an inhibitor of the epidermal growth factor receptor (EGFR) tyrosine kinase (pIC <sub>50</sub> : 8.194).
Targets(IC <sub>50</sub> )	EGFR, Potassium Channel

## Solubility Information

Solubility	DMSO: 4.08 mg/mL (10.02 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: 1 mg/mL (2.46 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	2.4557 mL	12.2787 mL	24.5574 mL
5 mM	0.4911 mL	2.4557 mL	4.9115 mL
10 mM	0.2456 mL	1.2279 mL	2.4557 mL
50 mM	0.0491 mL	0.2456 mL	0.4911 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

Joshi, A., Gadhwal, M., and Joshi, U.J. Identification of potential novel EGFR inhibitors using a combination of pharmacophore and docking methods Int. J. Pharm. Pharmaceut. Sci. 7(6), (2015).

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