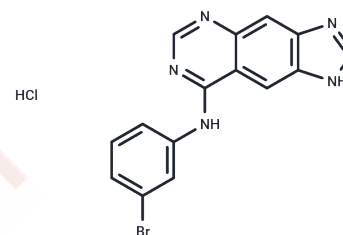


## BPIQ-II (hydrochloride)

## Chemical Properties

CAS No. :	171179-37-6
Formula:	C <sub>15</sub> H <sub>11</sub> BrClN <sub>5</sub>
Molecular Weight:	376.64
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	BPIQ-II is a linear imidazoquinazoline that potently inhibits the tyrosine kinase activity of the epidermal growth factor receptor (EGFR; IC <sub>50</sub> = 8 pM). It is selective for EGFR over other tyrosine and serine/threonine kinases, and cellular studies show that BPIQ-II can selectively inhibit EGF-stimulated signal transmission by competitively binding at the ATP site of EGFR.
Targets(IC <sub>50</sub> )	EGFR,Others

## Solubility Information

Solubility	DMSO: 30 mg/mL (79.65 mM),Sonication is recommended. DMSO:PBS (pH 7.2)(1:9): 0.1 mg/mL (0.27 mM),Sonication is recommended. DMF: 10 mg/mL (26.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6551 mL	13.2753 mL	26.5506 mL
5 mM	0.531 mL	2.6551 mL	5.3101 mL
10 mM	0.2655 mL	1.3275 mL	2.6551 mL
50 mM	0.0531 mL	0.2655 mL	0.531 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.

**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