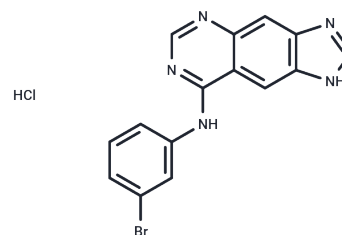


BPIQ-II (hydrochloride)

Chemical Properties

CAS No. :	171179-37-6
Formula:	C ₁₅ H ₁₁ BrClN ₅
Molecular Weight:	376.64
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	BPIQ-II is a linear imidazoquinazoline that potently inhibits the tyrosine kinase activity of the epidermal growth factor receptor (EGFR; IC ₅₀ = 8 pM). It is selective for EGFR over an assortment of other tyrosine and serine/threonine kinases. Cellular studies indicate that BPIQ-II can enter cells and very selectively shut down EGF-stimulated signal transmission by binding competitively at the ATP site of EGFR.
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Solubility Information

Solubility	DMSO: 30 mg/mL DMSO:PBS (pH 7.2)(1:9): 0.1 mg/mL DMF: 10 mg/mL (< 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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