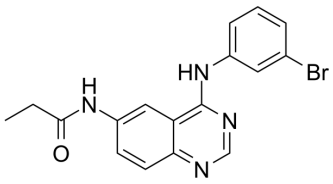
PD 174265

Cat. No.:	HY-112411
CAS No.:	216163-53-0
Molecular Formula:	$C_{17}H_{15}BrN_4O$
Molecular Weight:	371.23
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (336.72 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6937 mL	13.4687 mL	26.9375 mL
	5 mM	0.5387 mL	2.6937 mL	5.3875 mL
	10 mM	0.2694 mL	1.3469 mL	2.6937 mL

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

BIOLOGICAL ACTIVITY

Description

PD 174265 is a potent, cell-permeable, reversible, and selective inhibitor of EGFR with an IC_{50} of 450 pM[1].

REFERENCES

[1]. Fry DW, et al. Specific, irreversible inactivation of the epidermal growth factor receptor and erbB2, by a new class of tyrosine kinase inhibitor. Proc Natl Acad Sci U S A. 1998 Sep 29;95(20):12022-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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