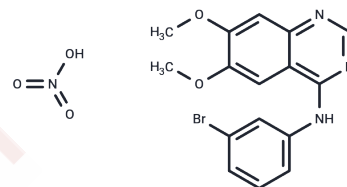


PD153035 nitrate

Chemical Properties

CAS No. : 586347-97-9
 Formula: C₁₆H₁₅BrN₄O₅
 Molecular Weight: 423.223
 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	PD153035 is a ATP-competitive EGFR inhibitor with an IC ₅₀ and K _i of 25 and 6 pM. PD153035 effectively blocks the enhancement of mitogenesis, induction of early gene expression, and oncogenic transformation that occur in response to EGF receptor stimulation. With human fibroblasts and epidermoid carcinoma cells, PD153035 at nanomolar concentrations rapidly inhibits EGFR autophosphorylation. With breast and ovarian cancer cells, PD153035 not only blocks cell growth via inhibition of EGFR, but also upregulates the expression of the tumor suppressor retinoic acid receptor-beta 2 (RAR-beta2).
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3628 mL	11.8142 mL	23.6284 mL
5 mM	0.4726 mL	2.3628 mL	4.7257 mL
10 mM	0.2363 mL	1.1814 mL	2.3628 mL
50 mM	0.0473 mL	0.2363 mL	0.4726 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

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