Data Sheet (Cat.No.T4046)

BX517

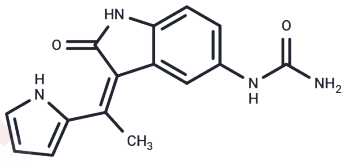
Chemical Properties

CAS No. : 850717-64-5

Formula: C15H14N4O2

Molecular Weight: 282.3

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	BX517 (PDK1 inhibitor 2) is a potent and selective inhibitor of PDK1.
Targets(IC50)	Akt,PDK

Solubility Information

Solubility	DMSO: 50 mg/mL (177.12 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: 2 mg/mL (7.08 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5423 mL	17.7117 mL	35.4233 mL
5 mM	0.7085 mL	3.5423 mL	7.0847 mL
10 mM	0.3542 mL	1.7712 mL	3.5423 mL
50 mM	0.0708 mL	0.3542 mL	0.7085 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

Islam I, et al. Indolinone based phosphoinositide-dependent kinase-1 (PDK1) inhibitors. Part 2: optimization of BX-517. Bioorg Med Chem Lett. 2007 Jul 15;17(14):3819-25.
Islam I, et al. Indolinone based phosphoinositide-dependent kinase-1 (PDK1) inhibitors. Part 1: design, synthesis and biological activity. Bioorg Med Chem Lett. 2007 Jul 15;17(14):3814-8.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481