Data Sheet (Cat.No.T36199)



AZD 1152 (hydrochloride)

Chemical Properties

CAS No.: 722543-50-2

Formula: C26H33Cl2FN7O6P

Molecular Weight: 660.47

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

HEZ HEZ

Biological Description

Description	AZD 1152 is an orally bioavailable prodrug of AZD 1152-HQPA, a selective inhibitor of
	Aurora kinase B (IC50= 0.36 nM).1AZD 1152 is converted to AZD 1152-HQPA in plasma.
	Inhibition of Aurora B results in disruption of spindle checkpoint functions and
	chromosome alignment, resulting in inhibition of cytokinesis followed by
	apoptosis.2,3AZD 1152 inhibits tumor xenograft growthin vivo.4,5

Solubility Information

Solubility	DMSO:PBS(pH 7.2) (1:4): 0.2 mg/mL	
(OMSO: 1 mg/mL	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5141 mL	7.5704 mL	15.1407 mL
5 mM	0.3028 mL	1.5141 mL	3.0281 mL
10 mM	0.1514 mL	0.757 mL	1.5141 mL
50 mM	0.0303 mL	0.1514 mL	0.3028 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.

Reference

Mortlock, A.A., Foote, K.M., Heron, N.M., et al.Discovery, synthesis, and in vivo activity of a new class of pyrazoloquinazolines as selective inhibitors of aurora B kinaseJ. Med. Chem.50(9)2213-2224(2007)

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Page 1 of 1 www.targetmol.com