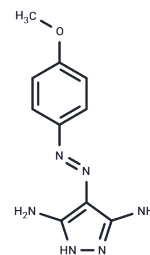


ILK-IN-3

Chemical Properties

CAS No. :	6975-75-3
Formula:	C ₁₀ H ₁₂ N ₆ O
Molecular Weight:	232.24
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	ILK-IN-3 is an inhibitor of integrin linked kinase, and with antitumor activity.
Targets(IC50)	DYRK,Integrin,Serine/threonin kinase

Solubility Information

Solubility	DMSO: 10 mg/mL (43.06 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: 1 mg/mL (4.31 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3059 mL	21.5295 mL	43.0589 mL
5 mM	0.8612 mL	4.3059 mL	8.6118 mL
10 mM	0.4306 mL	2.1529 mL	4.3059 mL
50 mM	0.0861 mL	0.4306 mL	0.8612 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

Jessica Kalra, et al. Validating the Use of a Luciferase Labeled Breast Cancer Cell Line, MDA435LCC6, as a Means to Monitor Tumor Progression and to Assess the Therapeutic Activity of an Established Anticancer Drug, Docetaxel (Dt) Alone or in Combination With the ILK Inhibitor, QLT0267. Cancer Biol Ther. 2011 May 1;11(9):826-38.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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