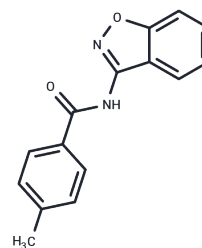


BAMB-4

Chemical Properties

CAS No. :	891025-25-5
Formula:	C15H12N2O2
Molecular Weight:	252.27
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	BAMB-4 (ITPKA-IN-C14) is a highly membrane-permeable inhibitor of inositol-1,4,5-trisphosphate-3-kinase A (ITPKA), effectively suppressing the metastasis-promoting effect of ITPKA in lung tumor cells (with IC50 of 37 μ M in ADP-Glo Assay).
Targets(IC50)	Phosphatase

Solubility Information

Solubility	DMSO: 39 mg/mL (154.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (7.93 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	3.964 mL	19.820 mL	39.6401 mL
5 mM	0.7928 mL	3.964 mL	7.928 mL
10 mM	0.3964 mL	1.982 mL	3.964 mL
50 mM	0.0793 mL	0.3964 mL	0.7928 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

Schroder D, et al. Identification of a new membrane-permeable inhibitor against inositol-1,4,5-trisphosphate-3-kinase A. Biochem Biophys Res Commun. 2013 Sep 20;439(2):228-34.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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