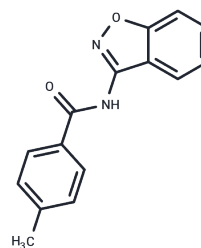


## BAMB-4

## Chemical Properties

CAS No. :	891025-25-5
Formula:	C <sub>15</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	252.27
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## 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 IC <sub>50</sub> of 37 $\mu$ M in ADP-Glo Assay).
Targets(IC <sub>50</sub> )	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)
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## 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.

## 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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