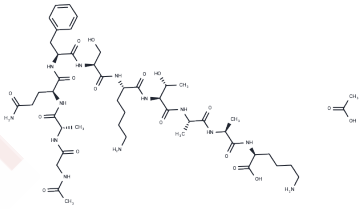
# Data Sheet (Cat.No.TP1457)

TargetMol

## BIO-11006 acetate salt (901117-03-1 free base)

### Chemical Properties



CAS No. :

Formula: C48H79N13O17

Molecular Weight: 1110.22

Storage: Keep away from moisture
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 | BIO-11006 acetate salt (901117-03-1 free base) is a polyglycosylated alanine rich C kinase substrate (MARCKS) inhibitor similar to MANS peptides. |
| Targets(IC50) | Others |
| In vivo | Inhaled, aerosolized BIO-11006 attenuates LPS-induced neutrophil influx into the lung, activation of NF-κB, and expression of the proinflammatory cytokines, KC and TNF-α, and thus reverses the development of lung injury in mice instilled intratracheally with LPS[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 0.9007 mL | 4.5036 mL | 9.0072 mL |
| 5 mM | 0.1801 mL | 0.9007 mL | 1.8014 mL |
| 10 mM | 0.0901 mL | 0.4504 mL | 0.9007 mL |
| 50 mM | 0.018 mL | 0.0901 mL | 0.1801 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

Yin Q, et al. An Inhaled Inhibitor of Myristoylated Alanine-Rich C Kinase Substrate Reverses LPS-Induced Acute Lung Injury in Mice. Am J Respir Cell Mol Biol. 2016 Nov;55(5):617-622.
Sousa S C, Aroso M, Bessa R, et al.Stretch triggers microtubule stabilization and MARCKS-dependent membrane incorporation in the shaft of embryonic axons.Current Biology.2024

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