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**Product Data Sheet**

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Product Name: BIO-11006 acetate salt

Cat. No.: GC35520

**Chemical Properties**

Cas. No.

Formula C<sub>48</sub>H<sub>79</sub>N<sub>13</sub>O<sub>17</sub>

M.Wt

1110.22

Solubility Soluble in DMSO

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

BIO-11006 acetate salt, an analog of the MANS peptide, is a myristoylated alanine-rich C kinase substrate (MARCKS) inhibitor[1]. Myristoylated alanine-rich C kinase substrate[1]

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].

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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