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**Product Data Sheet**

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Product Name: 1-Methyl-6-oxo-1,6-dihydropyridine-3-carboxylic acid

Cat. No.: GC35066

**Chemical Properties**

Cas. No. 3719-45-7

SMILES O=C(C(C=C1)=CN(C)C1=O)OFormula  $C_7H_7NO_3$ 

M.Wt 153.14

Solubility DMSO : 100 mg/mL (653.00 mM; Need ultrasonic) 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**

1-Methyl-6-oxo-1,6-dihydropyridine-3-carboxylic acid is from *Cordyceps bassiana*, which is one of *Cordyceps* species with anti-oxidative, anti-cancer, anti-inflammatory, anti-diabetic, anti-obesity, anti-angiogenic, and anti-nociceptive activities. 1-Methyl-6-oxo-1,6-dihydropyridine-3-carboxylic acid targets to block AP-1-mediated luciferase activity, implying it has an anti-inflammatory function[1].

[1]. Suh W, et al. Chemical Constituents Identified from Fruit Body of *Cordyceps bassiana* and Their Anti-Inflammatory Activity. *Biomol Ther* (Seoul). 2017 Mar 1;25(2):165-170.

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

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