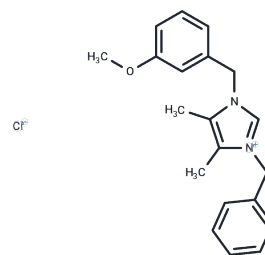


## Lepidiline C

## Chemical Properties

CAS No. :	2750933-59-4
Formula:	C <sub>20</sub> H <sub>23</sub> ClN <sub>2</sub> O
Molecular Weight:	342.86
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	Lepidiline C is a novel imidazoles alkaloids extracted from the root of <i>Lepidium meenii</i> Walpers of the brassaceae family. It has shown cytotoxic activity against HL-60 cells (IC <sub>50</sub> :27.7 μM).
Targets(IC <sub>50</sub> )	Others

## Solubility Information

Solubility	DMSO: 90 mg/mL (262.5 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	2.9166 mL	14.5832 mL	29.1664 mL
5 mM	0.5833 mL	2.9166 mL	5.8333 mL
10 mM	0.2917 mL	1.4583 mL	2.9166 mL
50 mM	0.0583 mL	0.2917 mL	0.5833 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

Mlostoń G, et al. Synthesis and Cytotoxic Activity of Lepidilines A-D: Comparison with Some 4,5-Diphenyl Analogues and Related Imidazole-2-thiones. *J Nat Prod.* 2021;84(12):3071-3079.

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