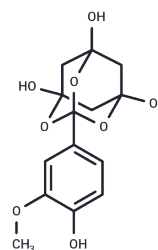


## Vanillinbananin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 858956-96-4   |
| Formula:          | C <sub>14</sub> H <sub>16</sub> O <sub>8</sub>  |
| Molecular Weight: | 312.274   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |  |
|----------------------------|--|
| Description                | Vanillinbananin is a potent inhibitor of SARS Coronavirus helicase ATPase activity, displaying an IC <sub>50</sub> value of 0.68 μM. |
| Targets(IC <sub>50</sub> ) | Others   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.2024 mL | 16.0118 mL | 32.0236 mL |
| 5 mM  | 0.6405 mL | 3.2024 mL  | 6.4047 mL  |
| 10 mM | 0.3202 mL | 1.6012 mL  | 3.2024 mL  |
| 50 mM | 0.064 mL  | 0.3202 mL  | 0.6405 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

Tanner JA, et al. The adamantane-derived bananins are potent inhibitors of the helicase activities and replication of SARS coronavirus. Chem Biol. 2005 Mar;12(3):303-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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