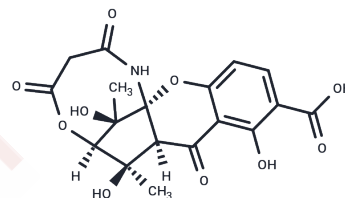


## Cryptosporioptide A

## Chemical Properties

CAS No. :	1647101-05-0
Formula:	C <sub>18</sub> H <sub>17</sub> N <sub>1</sub> O <sub>10</sub>
Molecular Weight:	407.33
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	Cryptosporioptide A (Compound 3), a protein tyrosine phosphatase inhibitor, originates from the insect-parasitic fungus <i>Cordyceps gracilioides</i> . This compound effectively inhibits several enzymes including PTP1B, SHP2, CDC25B, LAR, and SHP1 with respective IC <sub>50</sub> values of 7.3, 5.7, 7.6, >50, and 4.9 µg/mL [1].
Targets(IC <sub>50</sub> )	Phosphatase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.455 mL	12.2751 mL	24.5501 mL
5 mM	0.491 mL	2.455 mL	4.910 mL
10 mM	0.2455 mL	1.2275 mL	2.455 mL
50 mM	0.0491 mL	0.2455 mL	0.491 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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