

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



# DATASHEET

## White Line Inducing Principle

### Product overview

<b>Name</b>	White Line Inducing Principle
<b>Cat No</b>	HB4125
<b>Purity</b>	>98%
<b>Description</b>	Lipodepsipeptide with antibacterial, antifungal and antimicrobial activity

### Biological Data

<b>Biological description</b>	Lipodepsipeptide (LDP). Used as a diagnostic tool to identify tolaasin-producing bacteria pathogenic to mushrooms and responsible for brown blotch disease. Has haemolytic activity. Permeabilizes lipid vesicles and is involved in mushroom tissue alterations by forming transmembrane pores. Antimicrobial. Antibacterial. Antifungal.
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### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Molecular Weight</b>	1126.4
<b>Chemical structure</b>	The chemical structure of White Line Inducing Principle (LDP) is a complex lipodepsipeptide. It features a long, branched fatty acid chain on the left, connected via an ester linkage to a central peptide backbone. This backbone is further modified with various side chains, including a long-chain fatty acid, a branched aliphatic chain, and a complex heterocyclic system on the right.
<b>CAS Number</b>	135096-89-8
<b>InChiKey</b>	QYEWAEAWMXRMHB-WRNJRVSGBN
<b>Appearance</b>	White solid