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## DATASHEET

Miltefosine

### Product overview

<b>Name</b>	Miltefosine
<b>Cat No</b>	HB0412
<b>Description</b>	Akt inhibitor
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>98%

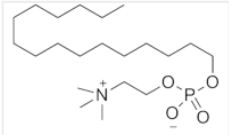
### Biological Data

<b>Biological description</b>	Akt inhibitor. Inhibits T-cell proliferation and HIV-1 cell survival and production. Displays anti-inflammatory and anticancer properties with broad spectrum of fungicidal and antiameobae activities. Blood brain barrier permeable.
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### Solubility & Handling

<b>Storage instructions</b>	-20°C
<b>Solubility overview</b>	Soluble in water (25 mM)
<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>Chemical name</b>	1-Hexadecylphosphorylcholine
<b>Molecular Weight</b>	407.6
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>46</sub> NO <sub>4</sub> P
<b>CAS Number</b>	58066-85-6
<b>PubChem identifier</b>	3599
<b>SMILES</b>	CCCCCCCCCCCCCCCCOP(=O)([O-])OCC[N+](C)(C)C

### References

#### Miltefosine suppresses inflammation in a mouse model of inflammatory bowel disease.

Verhaar AP *et al* (2013) *Inflamm Bowel Dis* 19(9)  
**PubMedID** [23811637](#)

#### Akt inhibitors as an HIV-1 infected macrophage-specific anti-viral therapy.

Chugh P *et al* (2008) *Retrovirology* 5  
**PubMedID** [18237430](#)

**Miltefosine enhances phagocytosis but decreases nitric oxide production by peritoneal macrophages of C57BL/6 mice.**

Ponte CB *et al* (2012) *Int Immunopharmacol* 13(1)

**PubMedID**

[22465961](#)

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