

## Pancreatin

Cat. No.:	HY-B2118		
CAS No.:	8049-47-6		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

# Pancreatin

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 1 mg/mL (ultrasonic and warming and heat to 60°C)
	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

### BIOLOGICAL ACTIVITY

Description	Pancreatin is the porcine pancreas extract (PPE) which contains the main pancreatic digestive enzymes.
In Vitro	<p>Pancreatin is the porcine pancreas extract (PPE) which contains the main pancreatic digestive enzymes. The amount of free fatty acids (FFAs) titrated at pH 6.5 does increase by 120 and 28% for II-LC and IIIA-LC, respectively, when Pancreatin is increased from 150 to 900 USP U/mL, and the total extent of lipolysis increases by 79 and 28% II-LC and IIIA-LC, respectively. By elevating Pancreatin activity from 150 to 900 USPU/mL, the total extent of digestion on average for LC-LBFs increases by 51%, whereas the amount of FFAs detected at pH 6.5 increases by 55% on average. An increase in extent of digestion is also observed with increasing Pancreatin levels<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### CUSTOMER VALIDATION

- Mol Med Rep. 2022 Feb;25(2):55.

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### REFERENCES

[1]. Sassene P, et al. Toward the establishment of standardized in vitro tests for lipid-based formulations, part 6: effects of varying pancreatin and calcium levels. AAPS J. 2014 Nov;16(6):1344-57.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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