hormone-sensitive lipase

Cat. No. EXWM-3507

Lot. No. (See product label)

Introduction

Description	This enzyme is a serine hydrolase. Compared with other lipases, hormone-sensitive lipase has a uniquely broad substrate specificity. It hydrolyses all acylglycerols (triacylglycerol, diacylglycerol and monoacylglycerol) as well as cholesteryl esters, steroid fatty acid esters, retinyl esters and p-nitrophenyl esters. It exhibits a preference for the 1- or 3-ester bond of its acylglycerol substrate compared with the 2-ester bond. The enzyme shows little preference for the fatty acids in the triacylglycerol, although there is some increase in activity with decreasing chain length. The enzyme activity is increased in response to hormones that elevate intracellular levels of cAMP.
Synonyms	HSL

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.79
Reaction	(1) diacylglycerol + H2O = monoacylglycerol + a carboxylate; (2) triacylglycerol + H2O = diacylglycerol + a carboxylate; (3) monoacylglycerol + H2O = glycerol + a carboxylate
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.