

## 4-Nitrophenyl butyrate

Cat. No. CSUB-0692

Lot. No. (See product label)

### Introduction

#### Description

4-Nitrophenyl butyrate is a nitro-substituted phenolic ester compound. 4-Nitrophenyl butyrate is water-soluble and is tolerated as a substrate by lipase enzymes, making it a useful probe for lipase activity. Hydrolysis of 4-Nitrophenyl butyrate by the enzyme produces p-nitrophenoxide which can be monitored by UV-Vis spectrophotometry at 400 nm. This approach has specifically been used to assess the activities of both cholesterol esterase and lipoprotein lipase and 4-Nitrophenyl butyrate has also been employed as a probe for screening the lipolytic activity of novel microorganism strains.

#### Applications

A probe for lipase activity

#### Synonyms

Butyric acid 4-nitrophenyl ester

### Product Information

<b>Form</b>	Liquid
<b>CAS No.</b>	2635-84-9
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>11</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	209.2
<b>Substrates</b>	Lipase; Esterase

### Storage and Shipping Information

<b>Storage</b>	Store at -20° C
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