

## 5-Hydroxydecanoate sodium salt

Cat. No. CSUB-0714

Lot. No. (See product label)

### Introduction

#### Description

5-Hydroxydecanoate Na (5-HD) is a substrate for mitochondrial outer membrane ACSL (acyl-CoA synthetase) that inhibits ATP-sensitive K<sup>+</sup> channels. In neuronal type K sensitive ATP channel currents, 5-Hydroxydecanoate Na diminished the produced activation of the channels by PKG. On perfused rat hearts, 5-Hydroxydecanoate Na has shown the ability to inhibit the toxicity of 6-hydroxydopamine on dopaminergic neurons. 5-Hydroxydecanoate Na has displayed a lack of activity in inhibiting oxygen consuming mitochondria derived from skeletal muscle.

#### Applications

An inhibitor of ATP-sensitive K<sup>+</sup> channels

#### Synonyms

5-Hydroxycapric acid sodium salt; 5-Hydroxydecanoic acid sodium salt

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	71186-53-3
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>19</sub> O <sub>3</sub> •Na
<b>Molecular Weight</b>	210.25
<b>Purity</b>	>98%
<b>Melting Point</b>	154-155° C
<b>Solubility</b>	Soluble in water (25 mg/ml), and ethanol (10 mg/ml).
<b>Substrates</b>	β-D-galactosidase

### Storage and Shipping Information

<b>Storage</b>	Store at -20° C
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