

## 4-Methylumbelliferone sodium salt

Cat. No. CSUB-0670

Lot. No. (See product label)

### Introduction

#### Description

4-Methylumbelliferone sodium salt is a selective inhibitor of Hyaluronan (HA) synthesis. HA is a major component in the metastasis of malignant tumors. Studies indicate that in the presence of 4-Methylumbelliferone sodium salt cell proliferation, migration, and growth are inhibited, while apoptosis is induced. In addition, the motility and cell growth was inhibited in fibroblast cell line NIH/3T3 (sc-2210). 4-Methylumbelliferone sodium salt is thought to function as an inhibitor via the depletion of UDP-glucuronic acid, the common substrate for HA synthesis. It is also believed that 4-Methylumbelliferone sodium salt can suppress the expression of HA-synthase.

#### Applications

$\beta$ -Galactosidase activity in solution can be revealed by the fluorogenic substrate 4-methylumbelliferone. It is also a selective inhibitor of Hyaluronan (HA) synthesis and

#### Synonyms

Cantabiline sodium; 7-Hydroxy-4-methylcoumarin

### Product Information

<b>Form</b>	Solid
<b>CAS No.</b>	5980-33-6
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>7</sub> O <sub>3</sub> •Na
<b>Molecular Weight</b>	198.15
<b>Purity</b>	>98%
<b>Solubility</b>	Soluble in water
<b>Substrates</b>	Mannosidase

### Storage and Shipping Information

<b>Storage</b>	Store at room temperature
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