

# F 16915

Catalog No: tcsc0016967



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

92510-91-3

**Formula:**

$C_{28}H_{37}NO_2$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

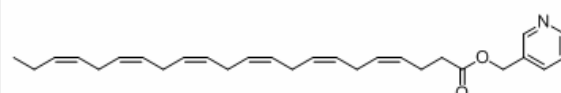
419.6

## Product Description

F 16915 is a docosahexaenoic acid derivative which can prevent heart failure-induced atrial fibrillation.

**In Vivo:** F 16915 is a docosahexaenoic acid derivative which can prevent heart failure-induced atrial fibrillation. Time-dependent

changes in blood concentrations of total docosahexaenoic acid (DHA) and nicotiny alcohol are followed after a single oral administration of F 16915 (300 mg/kg) to male rats. Treatment with F 16915 has no significant effect on body weight:  $27.7 \pm 2.9$  kg and  $28.1 \pm 1.0$  kg before surgery versus  $29.2 \pm 3.4$  kg and  $28.8 \pm 1.7$  kg after in the 1 and 5 g/day groups, respectively. F 16915 administered at 5 g/day for 4 weeks significantly reduces the mean duration of Atrial fibrillation (AF) induced by burst pacing but has no significant effect at 1 g/day. The duration of AF is significantly reduced from  $989 \pm 111$  s in the placebo group to  $79 \pm 59$  s in the presence of F 16915 at 5 g/day. Treatment of 2 months with 100 mg/kg F 16915 also significantly reduces the infarct size<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!