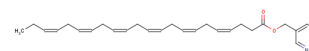


F 16915

**Chemical Properties**

CAS No.: 92510-91-3  
Formula: C<sub>28</sub>H<sub>37</sub>NO<sub>2</sub>  
Molecular Weight: 419.6  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	F 16915 can prevent heart failure-induced atrial fibrillation. F 16915 is a docosahexaenoic acid derivative.
Targets(IC <sub>50</sub> )	Others: None
In vivo	Treatment with F 16915 has no significant effect on body weight: 27.7±2.9 kg and 28.1±1.0 kg before surgery versus 29.2±3.4 kg and 28.8±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±111 s in the placebo group to 79±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. 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 nicotinyl alcohol are followed after a single oral administration of F 16915 (300 mg/kg) to male rats.

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.383 mL	11.916 mL	23.832 mL
5 mM	0.477 mL	2.383 mL	4.766 mL
10 mM	0.238 mL	1.192 mL	2.383 mL
50 mM	0.048 mL	0.238 mL	0.477 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Le Grand B, et al. F 16915 prevents heart failure-induced atrial fibrillation: a promising new drug as upstream therapy. Naunyn Schmiedeberg Arch Pharmacol. 2014 Jul;387(7):667-77.

Inhibitors · Natural Compounds · Compound Libraries

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