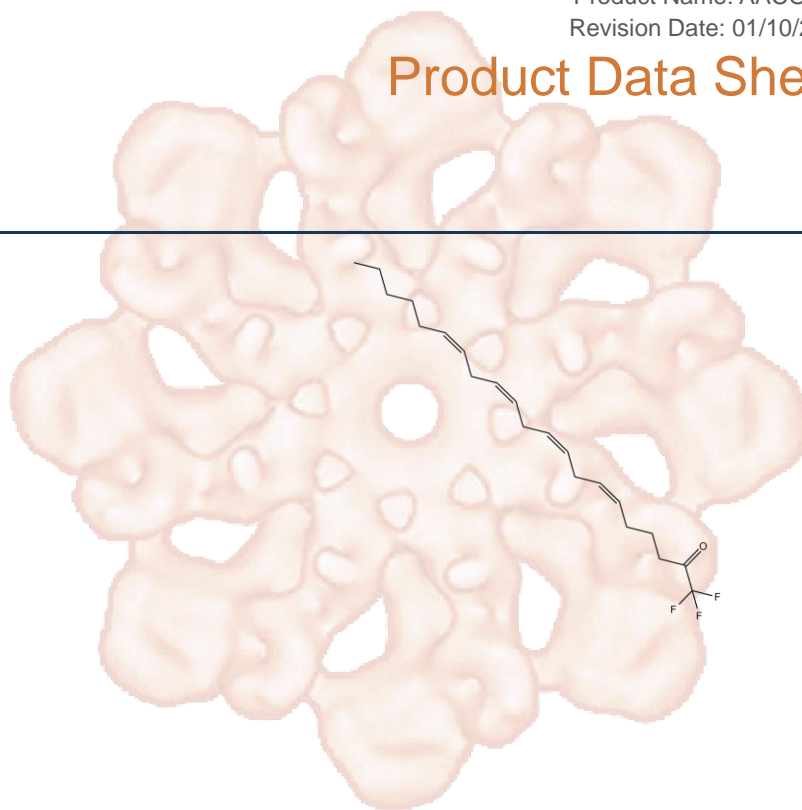


# Product Data Sheet

## AACOCF3

<b>Cat. No.:</b>	B6748
<b>CAS No.:</b>	149301-79-1
<b>Formula:</b>	C <sub>21</sub> H <sub>31</sub> F <sub>3</sub> O
<b>M.Wt:</b>	356.47
<b>Synonyms:</b>	
<b>Target:</b>	Metabolism
<b>Pathway:</b>	Phospholipase
<b>Storage:</b>	Desiccate at -20°C



## Solvent & Solubility

Soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		2.8053 mL	14.0264 mL	28.0529 mL
	5 mM		0.5611 mL	2.8053 mL	5.6106 mL
	10 mM		0.2805 mL	1.4026 mL	2.8053 mL

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary

Inhibitor of cPLA2/anandamide hydrolysis/FAAH

 IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Preparation method:

In Vivo

### Animal experiment

Applications:

## Product Citations

1. Zhou XL, Wei XJ, et al. "Interactions between Cytosolic Phospholipase A2 Activation and Mitochondrial Reactive Oxygen Species Production in the Development of Ventilator-Induced Diaphragm Dysfunction." *Oxid Med Cell Longev*. 2019 Apr 18;2019:2561929.PMID:31178955

2. Wang QS, Shen SQ, et al. "Interferon-gamma induces autophagy-associated apoptosis through induction of cPLA2-dependent mitochondrial ROS generation in colorectal cancer cells." *Biochem Biophys Res Commun*. 2018 Apr 15;498(4):1058-1065.PMID:29551681

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## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

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