

# Perfluoropolyether

## PFO-X175/08

HAMPTON  
RESEARCH

*Solutions for Crystal Growth*

User Guide

HR2-816

### Application

- Cryoprotectant for macromolecular crystallization.

### Suggested Use

Pick up the crystal using a Mounted Cryoloop with as little mother liquid as possible. Dip the mounted crystal into the Perfluoropolyether PFO-X175/08. Cryogenically cool the mounted crystal. One can also add a small amount of Perfluoropolyether PFO-X175/08 to the crystallization drop before mounting the crystal. After adding the Perfluoropolyether PFO-X175/08, mount the crystal using a Mounted Cryoloop. Withdraw the mounted crystal from the drop and the Perfluoropolyether PFO-X175/08 will coat the mounted crystal. Cryogenically cool the mounted crystal.

### Physical / Chemical Properties

Lot Number	281601
Molecular Formula	N/A
Molecular Weight	N/A
CAS Number	N/A
Appearance	Colorless liquid
Boiling Point	160 - 215 °C (320 - 419 °F)
Melting Point	- 45 °C (- 49 °F)
Solubility in Water	Insoluble
Density	1.875

N/A - Not Available

For research use only. Refer to the material safety data sheet for additional information.

### Reference

1. Structure of the 'open' form of Aspergillus nidulans 3-dehydroquinase synthase at 1.7 Å resolution from crystal grown following enzyme turnover. C.E. Nichols, A.R. Hawkins and D.K. Stammers. Acta Crystallographic Section D, Volume 60, Part 5, Pages 971-973, May 2004.
2. Crystal Structure of the Caspase Activator Human Granzyme B, a Proteinase Highly Specific for an Asp-P1 Residue. E. Estebanez-Perpina et al. Biol. Chem., Vol. 381, pp. 1203-1214, December 2000.

### Technical Support

Inquiries regarding Perfluoropolyether PFO-X175/08 and general inquiries regarding crystallization are welcome. Please e-mail, fax, or telephone your request to Hampton Research. Fax and e-mail Technical Support are available 24 hours a day. Telephone technical support is available 8:00 a.m. to 5:00 p.m. USA Pacific Standard Time.

### Related Products

- HR2-814** Perfluoropolyether PFO-X175/08 - 1 milliliter  
**HR2-816** Perfluoropolyether PFO-X175/08 - 25 grams

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