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Q-VD-OPh (no methyl)
Pan Caspase Inhibitor

Product Number	Amount/Size	Price
#A0004-01	1mg	$120.00
#A0004-03 NEW!	3mg	$345.00
#A0004-05	5mg	$540.00

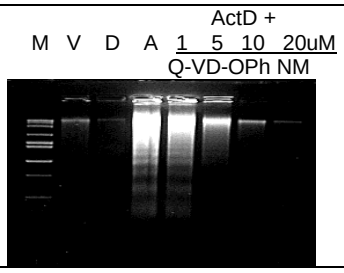
Please Contact us for Special Pricing on Bulk Orders

Description
From the Discoverer's of Q-VD-OPh[1] and Q-VE-OPh[2]: Q-VD-OPh [Q-Val-Asp-OPh] is a next generation pan-caspase inhibitor.[1,2] Q-VD-OPh is highly cell permeable, crosses the blood-brain barrier, and irreversibly inhibits caspase activity to prevent apoptosis. Q-VD-OPh is nontoxic and significantly more active than existing fluoromethylketone (-fmk) conjugates, which have been shown to be toxic.[3]

Applications
Q-VD-OPh is ideal for *in vitro*, cell culture, and particularly for *in vivo* studies[1-5].

Uses:

Cell Culture: Inhibits apoptosis at concentrations as low as 5uM in cell culture. 20mM stock solutions are prepared in DMSO and diluted 1:1,000 into cell culture media. The recommended final cell culture starting concentration is 20uM. ***In Vivo*:** Recommended started concentration is 20mg/kg, administered intraperitoneally.



M=Marker, V=Vehicle, D=Q-VD-OPh alone (20uM), A= 1ug/ml Actinomycin D; Q-VD-OPh NM

Stability and Storage Conditions: Each lot is individually certified for Quality Control. Stable for 1 year. Store at 4^0C

References
1. Caserta TM, 2003. Apoptosis 8, 345-352
2. Benjamin S, 2010 Journal of Cell Death 3:33-40
3. Van Noorden CJ, 2001 Acta Histochem. 103:241-51
4. Renolleau S, 2007 J. Neurochem. 100:1062
5. Psotka MA, 2009 Infect. Immun. 77:959-969

Companion Products
Q-VE-OPh Apoptosis Negative Control (#A0007)
Caspase 9 Apoptosis Extracts (#E0009)
Caspase 3 Apoptosis Extracts (#E0003)
Caspase 8 Apoptosis Extracts (#E0008)
PARP Apoptosis Extracts (#S0001)
XIAP Apoptosis Extracts (#S0002)
BID Apoptosis Extracts (#S0003)
CHAPS Cell Extract Buffer (#B0001)

For research purposes only. Not for use in humans.