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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-OPh¹ and Q-VE-OPh²: 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

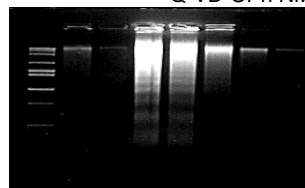
Applications

Q-VD-OPh is ideal for *in vitro*, cell culture, and particularly for *in vivo* studies¹⁻⁵.

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

ActD +
M V D A 1 5 10 20uM
Q-VD-OPh NM



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

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. Psothka 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.