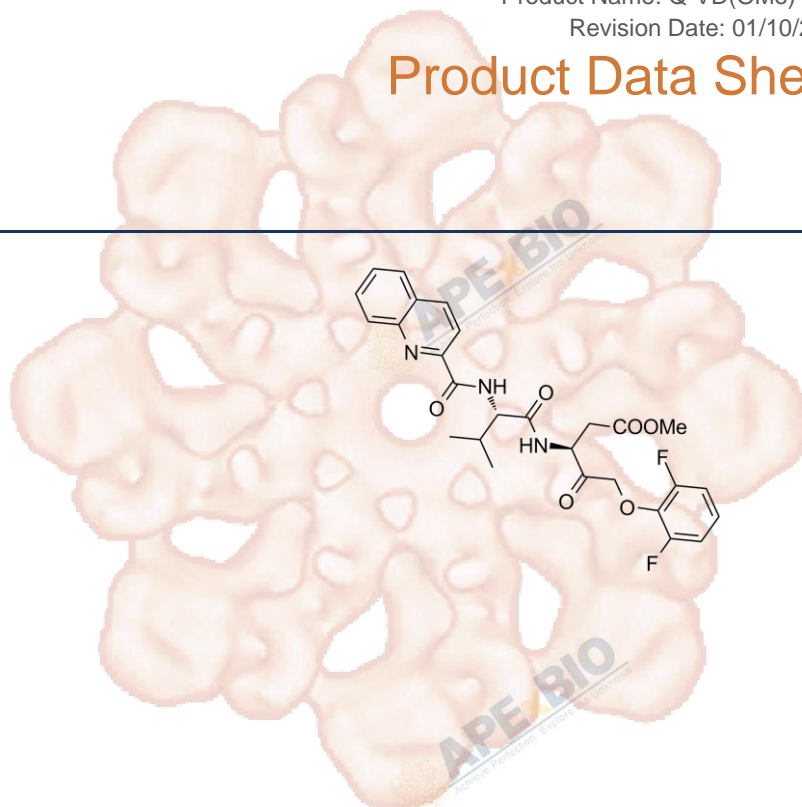


Product Data Sheet

Q-VD(OMe)-OPh

Cat. No.:	A8165
CAS No.:	
Formula:	C26H25F2N3O6
M.Wt:	527
Synonyms:	Q-VD(OMe)-OPh
Target:	Apoptosis
Pathway:	Caspase
Storage:	Store at -20°C



Solvent & Solubility

≥26.35 mg/mL in DMSO; insoluble in H₂O; ≥97.4 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		1.8975 mL	9.4877 mL	18.9753 mL
	5 mM		0.3795 mL	1.8975 mL	3.7951 mL
	10 mM		0.1898 mL	0.9488 mL	1.8975 mL

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

Biological Activity

Shortsummary

Pan-caspase inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Preparation method:

In Vivo

Animal experiment

Applications:

Product Citations

1. Robeson AC, Lindblom KR, et al. "Dimer-specific immunoprecipitation of active caspase-2 identifies TRAF proteins as novel activators." EMBO J. 2018 Jun 6. pii: e97072.PMID:29875129
2. Burman JL, Pickles S, et al. "Mitochondrial fission facilitates the selective mitophagy of protein aggregates." J Cell Biol. 2017 Oct 2;216(10):3231-3247.PMID:28893839
3. Gong YN, Guy C, et al. "ESCRT-III Acts Downstream of MLKL to Regulate Necroptotic Cell Death and Its Consequences." Cell. 2017 Apr 6;169(2):286-300.e16.PMID:28388412
4. Wang L, Mehta S, et al. "Inhibition of Murine Pulmonary Microvascular Endothelial Cell Apoptosis Promotes Recovery of Barrier Function under Septic Conditions." Mediators Inflamm. 2017;2017:3415380.PMID:28250575
5. Milasta S, Dillon CP, et al. "Apoptosis-Inducing-Factor-Dependent Mitochondrial Function Is Required for T Cell but Not B Cell Function." Immunity. 2016 Jan 19;44(1):88-102.PMID:26795252

See more customer validations on www.apexbt.com.

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.

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