

Product Name: Bax inhibitor peptide V5

Revision Date: 07/05/2024

Product Data Sheet

Bax inhibitor peptide V5

Cat. No.: A4461

CAS No.: 579492-81-2

Formula: C27H50N6O6S

M.Wt: 586.79

Synonyms:

Target: Apoptosis

Pathway: Bcl-2 Family

Storage: Desiccate at -20°C



Solvent & Solubility

≥29.35 mg/mL in DMSO; insoluble in EtOH; ≥91.4 mg/mL in H2O

Mass Solvent 1mg 5mg 10mg Preparing Concentration In Vitro Stock Solutions 1 mM 1.7042 mL 8.5209 mL 17.0419 mL 5 mM 1.7042 mL 3.4084 mL 0.3408 mL 10 mM 0.1704 mL 0.8521 mL 1.7042 mL

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

Biological Activity

Shortsummary	Bax inhibitor	
IC ₅₀ & Target		E Compan
	Cell Viability Assay	a la face a face de la
In Vitro	Cell Line: , poo constant	Mouse islet isolation
	Preparation method:	The solubility of this compound in DMSO is >24.1mg/mL. General tips for
		obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes
		and/or shake it in the ultrasonic bath for a while. Stock solution can be stored
		below -20°C for several months.
	Reacting conditions:	0-100 μM, 24 h

reduced cell death in STF-cMyc cells but not
/5 does not result in any significant effect on
se. In mouse islet isolation, BIP V5 (100 μM)
of anti-apoptotic proteins Bcl-2 and XIAP by
rnregulated expression of apoptosis-inducing
factor-kB-p65 by 10, 30, and nearly 50%,
July 2 percentage
nice
ptozotocin-induced diabetic mice, 150 BIP
ioned as well as 450 control untreated islet
glucose.
npounds indoor, and the actual solubility may
value. This is caused by an experimental
P. Ecolon Explore

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Jo M J, Paek A R, Choi J S, et al. Regulation of cancer cell death by a novel compound, C604, in a c-Myc-overexpressing cellular environment[J]. European journal of pharmacology, 2015, 769: 257-265.

[2]. Sawada M, Hayes P, Matsuyama S. Cytoprotective membrane-permeable peptides designed from the Bax-binding domain of Ku70. Nat Cell Biol, 2003, 5(4): 352-357. [2].Rivas-Carrillo JD, Soto-Gutierrez A, Navarro-Alvarez N, et al. Cell-permeable pentapeptide V5 inhibits apoptosis and enhances insulin secretion, allowing experimental single-donor islet transplantation in mice. Diabetes, 2007, 56(5): 1259-1267.

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 APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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



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