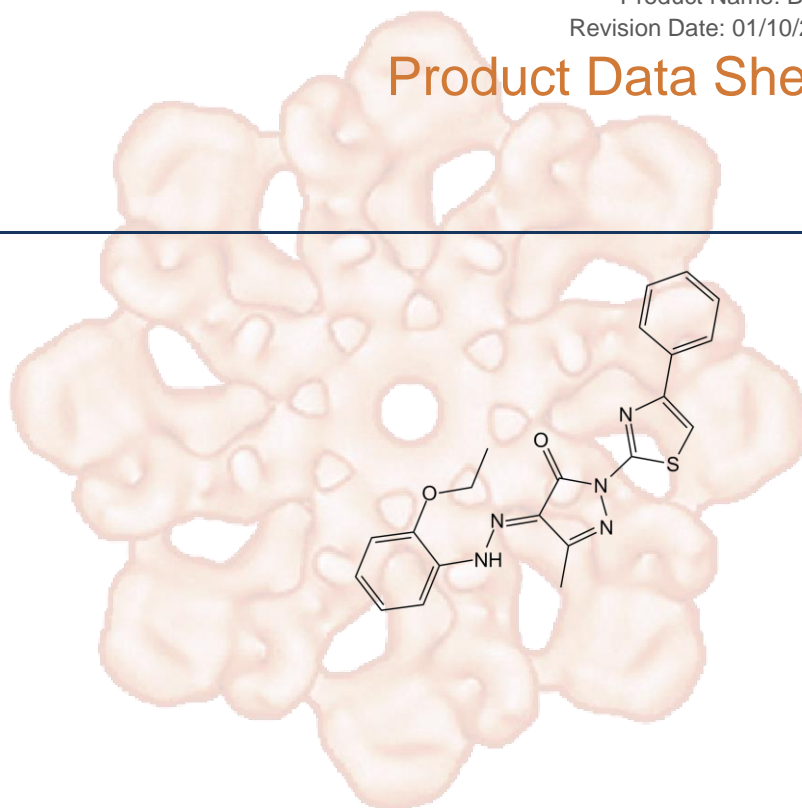


Product Data Sheet

BAM7

Cat. No.:	A3218
CAS No.:	331244-89-4
Formula:	C ₂₁ H ₁₉ N ₅ O ₂ S
M.Wt:	405.47
Synonyms:	BAM 7;BAM-7
Target:	Apoptosis
Pathway:	Bcl-2 Family
Storage:	Store at -20°C



Solvent & Solubility

Limited solubility, soluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		2.4663 mL	12.3314 mL	24.6627 mL
	5 mM		0.4933 mL	2.4663 mL	4.9325 mL
	10 mM		0.2466 mL	1.2331 mL	2.4663 mL

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

Biological Activity

Shortsummary

BAX activator,direct and selective

IC₅₀ & Target

3.3 μM (BAX)

In Vitro

Cell Viability Assay

Cell Line:	MEF cells
Preparation method:	Limited solubility. 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:	10 μM, 20 μM, 30 μM and 40 μM
Applications:	Co-incubation of BAM7 (10 μM, 20 μM, 30 μM and 40 μM) and monomeric BAX (5 μM) induced dose- and time-responsive BAX oligomerization. BAM7

selectively impaired the viability of Bak^{-/-} MEFs but had no effect on MEFs that lack BAX (Bax^{-/-}) or both BAX and BAK (Bax^{-/-} Bak^{-/-}). BAM7 dose-dependently impaired the viability of BAX-reconstituted, but not BAXK21E-reconstituted, Bax^{-/-} Bak^{-/-} MEFs. Bak^{-/-} MEFs demonstrated the morphologic features of apoptosis in response to BAM7 treatment (15 μM).

Animal experiment

Applications:

Other notes:

Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

In Vivo

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Gavathiotis E, Reyna D E, Bellairs J A, et al. Direct and selective small-molecule activation of proapoptotic BAX[J]. Nature chemical biology, 2012, 8(7): 639-645.

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. 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 of the product, follow the storage recommendations on the product data sheet.

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