

Product Data Sheet

BMX-IN-1

Cat. No.:	A3260
CAS No.:	1431525-23-3
Formula:	C ₂₉ H ₂₄ N ₄ O ₄ S
M.Wt:	524.59
Synonyms:	BMX kinase inhibitor
Target:	Tyrosine Kinase
Pathway:	BMX Kinase
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; ≥5.25 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass Concentration	Mass		
			1mg	5mg	10mg
		1 mM	1.9063 mL	9.5313 mL	19.0625 mL
		5 mM	0.3813 mL	1.9063 mL	3.8125 mL
		10 mM	0.1906 mL	0.9531 mL	1.9063 mL

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

Biological Activity

Shortsummary

BMX (also termed ETK) kinase inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	Ramos cell line
Preparation method:	The solubility of this compound in DMSO is >5.3 mg/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:	0.3, 1, 3 and 10 uM for 16/24/48 hours.

	Applications:	In Ramos cell line, BMX-IN-1 significantly inhibited cell cycle progression at G0/G1 in a dose-dependent manner at 24h and strongly induced apoptosis at a concentration of 1 μ M at 8h, while with a longer drug exposure (24 hours), a concentration of 300 nM was sufficient to induce apoptosis.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Hong Wu, et al. Discovery of a Potent, Covalent BTK Inhibitor for B-Cell Lymphoma. ACS Chem Biol. 2014 May 16; 9(5): 1086–1091.

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. 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.

APExBIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com

