

Product Name: BMX-IN-1 Revision Date: 01/10/2021

## **Product Data Sheet**

## **BMX-IN-1**

**Cat. No.:** A3260

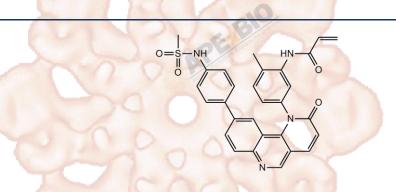
CAS No.: 1431525-23-3 Formula: C29H24N4O4S

**M.Wt:** 524.59

Synonyms: BMX kinase inhibitor

Target:Tyrosine KinasePathway: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  Concentration	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 inhibit
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IC<sub>50</sub> & Target

# Cell Viability Assay

In Vitro

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.
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	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 $\mu$ 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	Animal experiment			
	Applications:	BIO.			

## **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. 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.

## **APExBIO Technology**

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