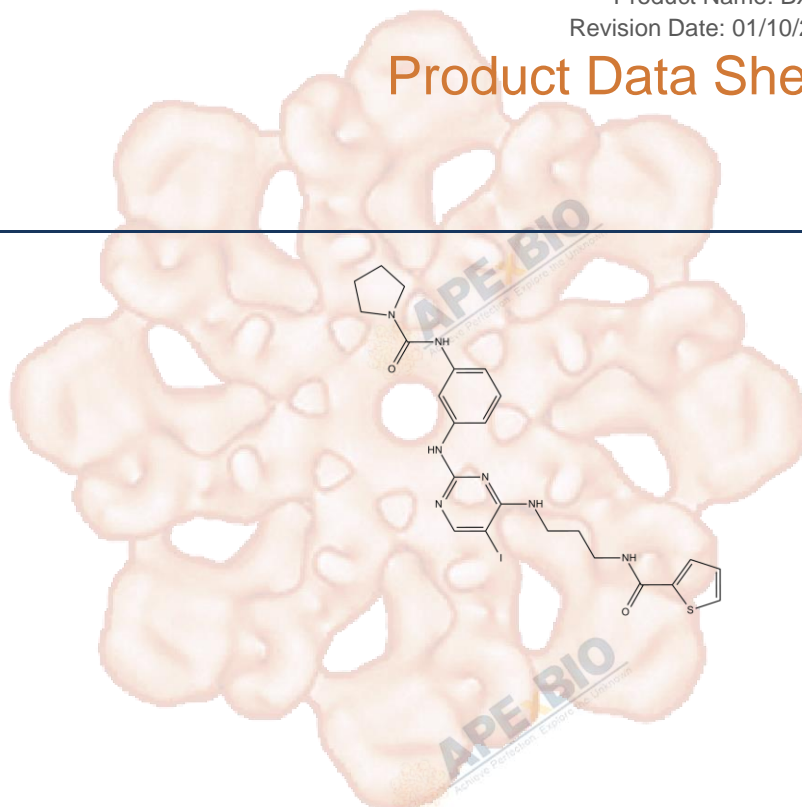


Product Data Sheet

BX795

Cat. No.:	A8222
CAS No.:	702675-74-9
Formula:	C23H26IN7O2S
M.Wt:	591.48
Synonyms:	
Target:	PI3K/Akt/mTOR Signaling
Pathway:	PDK-1
Storage:	Store at -20°C



Solvent & Solubility

≥59.1 mg/mL in DMSO with gentle warming; insoluble in H₂O; insoluble in EtOH

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	1.6907 mL	8.4534 mL	16.9067 mL
	5 mM	0.3381 mL	1.6907 mL	3.3813 mL
	10 mM	0.1691 mL	0.8453 mL	1.6907 mL

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

Biological Activity

Shortsummary

PDK1 inhibitor

IC₅₀ & Target

6 nM (PDK1)

In Vitro

Cell Viability Assay

Cell Line: MDA-468, HCT-116 and MiaPaca cells

Preparation method: The solubility of this compound in DMSO is >10 mM. 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; 72 hrs

	Applications:	BX795 potently inhibited tumor cell growth, with the IC50 values of 1.6, 1.4 and 1.9 μ M for MDA-468, HCT-116 and MiaPaca cells, respectively.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Feldman RI, Wu JM, Polokoff MA, Kochanny MJ, Dinter H, Zhu D, Biroc SL, Alicke B, Bryant J, Yuan S, Buckman BO, Lentz D, Ferrer M, Whitlow M, Adler M, Finster S, Chang Z, Arnaiz DO. Novel small molecule inhibitors of 3-phosphoinositide-dependent kinase-1. J Biol Chem. 2005 May 20;280(20):19867-74.

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.

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