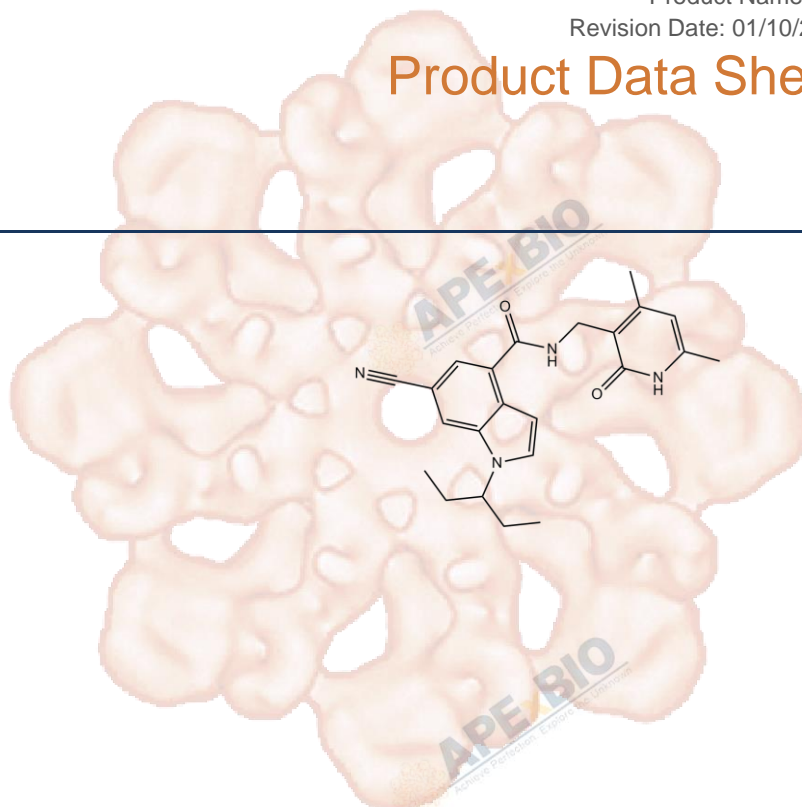


Product Data Sheet

E11

Cat. No.:	B1021
CAS No.:	1418308-27-6
Formula:	C23H26N4O2
M.Wt:	390.48
Synonyms:	
Target:	Stem Cell
Pathway:	EZH2
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; ≥19.5 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	2.5610 mL	12.8048 mL	25.6095 mL
	5 mM	0.5122 mL	2.5610 mL	5.1219 mL
	10 mM	0.2561 mL	1.2805 mL	2.5610 mL

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

Biological Activity

Shortsummary

EZH2 inhibitor

IC₅₀ & Target

Cell Viability Assay

In Vitro

Cell Line:	Ezh2 mutant diffused large B-cell lymphoma (DLBCL) cells, Ezh2 wild-type DLBCL cells and mouse embryonic fibroblasts (MEFs)
Preparation method:	The solubility of this compound in DMSO is > 19.5 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:	10 μ M; 11 ~ 15 days
	Applications:	In DLBCL cells, E11 inhibited the methylation of cellular lysine 27 of histone H3 (H3K27), and up-regulated the expression of Ezh2 target gene p16. In MEFs, E11 inhibited H3K27me3 and cell proliferation. In DLBCL cells carrying Ezh2 mutation, E11 selectively inhibited cell growth, as well as induced cell cycle arrest and apoptosis.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Qia W, Chan HM, Teng L, Li L, Chuai S, Zhang RP, Zeng J, Li M, Fan H, Lin Y, Gu J, Ardayfiob O, Zhang JH, Yan X, Fang J, Mi Y, Zhang M, Zhou T, Feng G, Chen ZJ, Li G, Yang T, Zhao K, Liu X, Yu Z, Lu CX, Atadja P and Li E. Selective inhibition of Ezh2 by a small molecule inhibitor blocks tumor cells proliferation. Proc Natl Acad Sci. 2012 Dec; 109(52): 213605.

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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