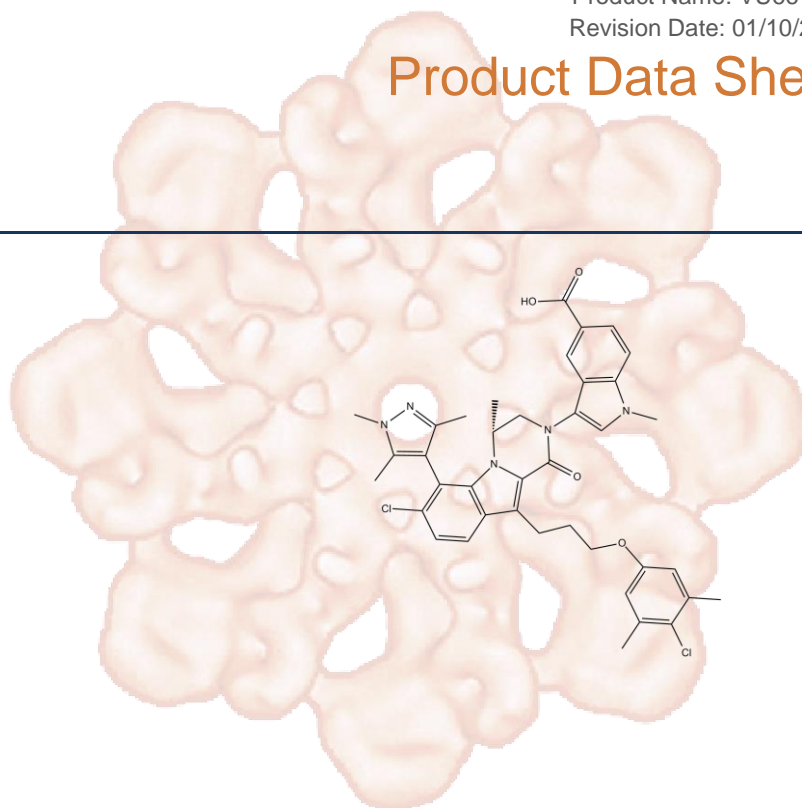


VU661013

Cat. No.:	A8783
CAS No.:	2131184-57-9
Formula:	C39H39Cl2N5O4
M.Wt:	712.66
Synonyms:	
Target:	Apoptosis
Pathway:	Bcl-2 Family
Storage:	Store at -20°C



Solvent & Solubility

≥125mg/mL in DMSO; insoluble in H₂O

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass		
		1mg	5mg	10mg
	1 mM	1.4032 mL	7.0160 mL	14.0319 mL
	5 mM	0.2806 mL	1.4032 mL	2.8064 mL
	10 mM	0.1403 mL	0.7016 mL	1.4032 mL

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

Biological Activity

Shortsummary

Novel, potent, selective MCL-1 inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line: AML cell lines MV-411, Kasumi-1, K-562, HL-60, U-937 Kasumi-3, KG-1, NB4, SKM-1, PL-21, MOLM-16 and THP-1, and leukemia mantle cell lymphoma cell line Z-138.

Preparation method: This compound can be soluble in DMSO. 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:	48 h, 100 nM to 5 μ M
	Applications:	Multiple AML cell lines displayed a high sensitivity to VU661013.
In Vivo	Animal experiment	
	Animal models:	Xenograft transplantation model of MV-4-11 cell line in NSGS mice; AML patient PDX models
	Dosage form:	10, 25 or 75 mg/kg , daily i.p injection for 21 days
	Applications:	VU661013 treatment of disseminated human AML resulted in a dose-dependent decrease in tumor burden.
	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.

Product Citations

See more customer validations on www.apexbt.com.

References

[1]A Novel MCL-1 Inhibitor Combined with Venetoclax Rescues Venetoclax Resistant Acute Myelogenous Leukemia. Cancer Discov. 2018 Sep 5. PMID: 30185627. DOI: 10.1158/2159-8290.CD-18-0140

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

www.apexbt.com

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

2 | www.apexbt.com



