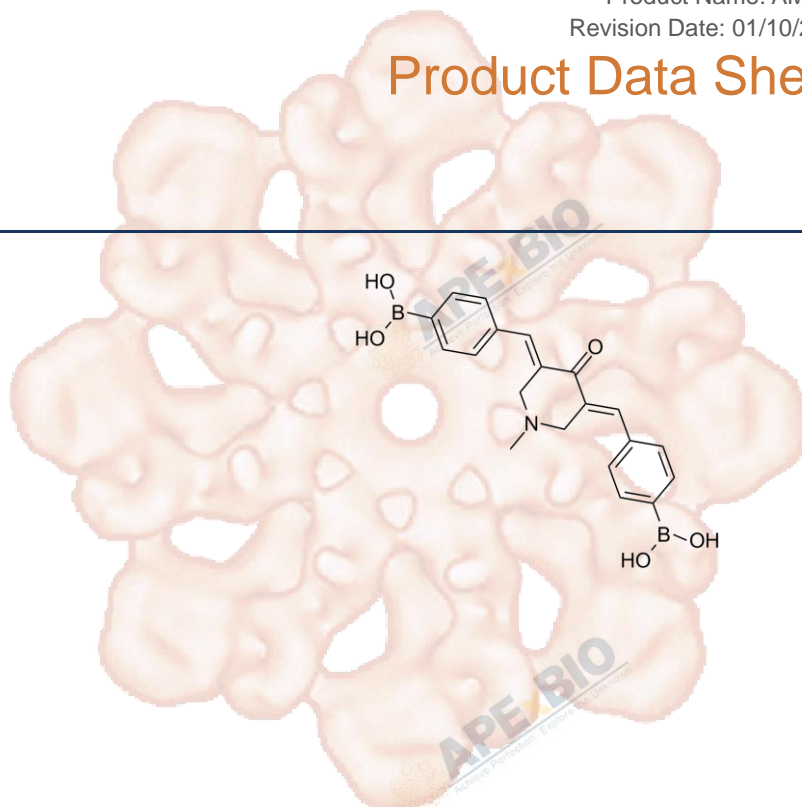


Product Data Sheet

AM 114

Cat. No.:	A8163
CAS No.:	856849-35-9
Formula:	C ₂₀ H ₂₁ B ₂ NO ₅
M.Wt:	377.01
Synonyms:	
Target:	Ubiquitination/ Proteasome
Pathway:	Proteasome
Storage:	Store at 4°C



Solvent & Solubility

insoluble in H₂O; ≥16.65 mg/mL in DMSO; ≥4.11 mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		2.6524 mL	13.2622 mL	26.5245 mL
	5 mM		0.5305 mL	2.6524 mL	5.3049 mL
	10 mM		0.2652 mL	1.3262 mL	2.6524 mL

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

Biological Activity

Shortsummary	20S proteasome inhibitor	
IC ₅₀ & Target	1 μM (Proteasome)	
In Vitro	Cell Viability Assay	
	Preparation method:	
In Vivo	Animal experiment	
	Applications:	

Product Citations

- 1.Chen, Wei, et al. "Competitive Expression of Endogenous Wheat CENH3 May Lead to Suppression of Alien ZmCENH3 in Transgenic Wheatx Maize Hybrids." Journal of Genetics and Genomics (2015).
2. Gunderwala A, Porter J. "A luminescence assay for natural product inhibitors of the Mycobacterium tuberculosis proteasome." Phytochem Anal. 2016 Mar;27(2):126-32.PMID:26778282

See more customer validations on www.apexbt.com.

References

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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