



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## MYBMIM

<b>Cat. No.:</b>	HY-P10238
<b>Molecular Formula:</b>	C <sub>166</sub> H <sub>296</sub> N <sub>60</sub> O <sub>45</sub> S
<b>Molecular Weight:</b>	3884.57
<b>Sequence:</b>	Ac-d-{Lys-Leu-Glu-Asn-Glu-Thr-Ser-Met-Leu-Leu-Leu-Glu-Leu-Glu-Lys-Ile-Arg-Lys-Gly-Gly-Arg-Arg-Arg-Gln-Arg-Arg-Lys-Lys-Arg-Gly-Tyr}-NH <sub>2</sub>
<b>Sequence Shortening:</b>	Ac-d-{KLENETSMLLLELEKIRKGG-RRRQRRKRGY}-NH <sub>2</sub>
<b>Target:</b>	Apoptosis
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	MYBMIM is an inhibitor for assembly of the molecular MYB:CBP/P300 complex. MYBMIM inhibits growth of leukemia cells <sup>[1]</sup> .	
In Vitro	MYBMIM (10-20 μM) inhibits proliferation (6 days) and induces apoptosis (48 h) in acute myeloid leukemia cells by downregulating anti-apoptotic Bcl2 gene expression <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay <sup>[1]</sup>	
	Cell Line:	MOLM-13, MV-411, ML2, and HL60
	Concentration:	10-20 μM
	Incubation Time:	6 days
	Result:	Inhibited cell viability.
	Apoptosis Analysis <sup>[1]</sup>	
	Cell Line:	MV-411
	Concentration:	20 μM
	Incubation Time:	4 h
	Result:	Induced cell apoptosis.
	Western Blot Analysis <sup>[1]</sup>	
	Cell Line:	MOLM-13, MV-411, ML2, and HL60
	Concentration:	10-20 μM
Incubation Time:	6 h	
Result:	Downregulated levels of Bcl2	

## In Vivo

MYBMIM (25 mg/kg, ip, twice a day for 14 days) impedes human leukemia progression in mouse xenograft models<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	AML-MLL- leukemia xenograft mice model <sup>[1]</sup>
Dosage:	25 mg/kg
Administration:	ip, twice a day for 14 days
Result:	Delayed leukemia progression and extended survival.

## REFERENCES

[1]. Ramaswamy K, et al., Peptidomimetic blockade of MYB in acute myeloid leukemia. Nat Commun. 2018 Jan 9;9(1):110.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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