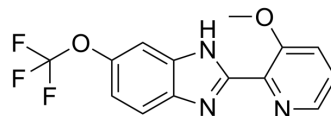


## AI-10-104

Cat. No.:	HY-122657
CAS No.:	1881276-00-1
Molecular Formula:	C <sub>14</sub> H <sub>10</sub> F <sub>3</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	309.24
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	AI-10-104 is an inhibitor for runt-related transcription factor (RUNX), which enhances the cytotoxicity in myeloma cells <sup>[1]</sup> .	
In Vitro	AI-10-104 (0-10 μM) inhibits the RUNX through dissociation of RUNXs-IKZFs complex, enhances the anti-proliferative effect of lenalidomide and its cytotoxicity in myeloma cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Western Blot Analysis <sup>[1]</sup>	
	Cell Line:	HEK293T
	Concentration:	0-10 μM
	Incubation Time:	
	Result:	Decreased levels of IKZF3 and CBFβ.
	Cell Proliferation Assay <sup>[1]</sup>	
	Cell Line:	OPM-1 cells, KMS-11 and U266 cells
	Concentration:	1 μM
	Incubation Time:	
Result:	Maintained the cell viability, inhibited proliferation of OPM-1 cells in a moderate effect.	

### REFERENCES

[1]. Zhou N, et al., RUNX proteins desensitize multiple myeloma to lenalidomide via protecting IKZFs from degradation. *Leukemia*. 2019 Aug;33(8):2006-2021.

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

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