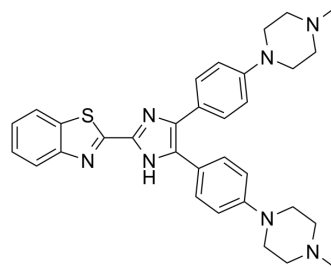


## IZTZ-1

Cat. No.:	HY-147973
CAS No.:	2636771-45-2
Molecular Formula:	C <sub>32</sub> H <sub>35</sub> N <sub>7</sub> S
Molecular Weight:	549.73
Target:	c-Myc; Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	IZTZ-1, an imidazole-benzothiazole conjugate, is a c-MYC G4 ligand. IZTZ-1 is able to downregulate the c-MYC expression by stabilizing c-MYC G4. IZTZ-1 induces cell cycle arrest, apoptosis, thereby inhibiting cell proliferation in B16 cells. IZTZ-1 shows antitumor activity, and can be used for melanoma research <sup>[1]</sup> .
In Vivo	IZTZ-1 (0-20 mg/kg, IP, once every two days, for 10 days) effectively inhibits tumor growth in a melanoma mouse model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Wu TY, et al. A drug-like imidazole-benzothiazole conjugate inhibits malignant melanoma by stabilizing the c-MYC G-quadruplex. *Bioorg Chem.* 2020 Jun;99:103866.

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

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