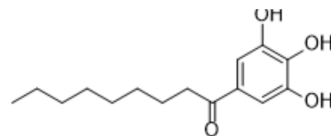


THPN

Cat. No.:	HY-113827
CAS No.:	100079-26-3
Molecular Formula:	C ₁₅ H ₂₂ O ₄
Molecular Weight:	266.33
Target:	Nuclear Hormone Receptor 4A/NR4A
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	THPN is a potent Nur77 agonist. THPN specifically binds the LBD of Nur77 (TR3) but not that of retinoic acid receptor α and PPAR γ with a K_d of 270 nM. THPN leads to Nur77 translocation to the mitochondria to induce autophagic cell death in melanoma ^{[1][2]} .
IC ₅₀ & Target	Nur77/NR4A1

REFERENCES

- [1]. Wei-jia Wang, et al. Orphan nuclear receptor TR3 acts in autophagic cell death via mitochondrial signaling pathway. *Nat Chem Biol.* 2014 Feb;10(2):133-40.
- [2]. Li Li, et al. Impeding the interaction between Nur77 and p38 reduces LPS-induced inflammation. *Nat Chem Biol.* 2015 May;11(5):339-46.

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

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