

Product Datasheet

TMPH

Catalog No. **BP-02363** · CAS **849461-90-1** · Form **free base** · Physical state **liquid** · Color **Colorless to light yellow** · Version **1.0** · Revision **2026-09-10**

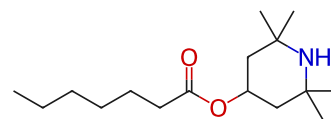
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Target nAChR	Research area Neurological Disease
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Molecular formula **C₁₆H₃₁NO₂**

Molecular weight **269.4228**

STRUCTURE



DESCRIPTION

nAChR-IN-1 (2,2,6,6-Tetramethylpiperidin-4-yl heptanoate) is a tetramethylpiperidine heptanoate, a selective nicotinic acetylcholine receptor (nAChR) inhibitor that inhibits nAChRs lacking $\alpha 5$, $\alpha 6$, or $\beta 3$ subunits. nAChR-IN-1 has the effect of preventing nerve disorder, can be used for nicotinic acetylcholine receptor dysfunction or neurological disorders research.

SOLUBILITY

Soluble in DMSO

In vitro DMSO 100 mg/mL

REFERENCES

[1]. Papke RL, et, al. Compositions et methodes d'inhibition selective des recepteurs nicotiniques de l'acetylcholine. WO2005032479A2