Product Datasheet

Simpinicline

Catalog No. **BP-06859** · CAS **753015-44-0** · Form **free base** · Physical state **oil** · Color **Yellow to brown** · Version **1.0** · Revision **2026-11-16**

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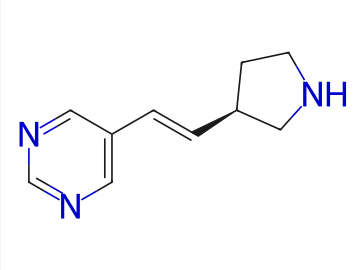
Target	Research area
nAChR; SARS-CoV	**Infection**

Molecular formula	$C_{10}H_{13}N_3$
Molecular weight	**175.2303**

STRUCTURE



DESCRIPTION

Simpinicline (OC-02), a highly selective nicotinic acetylcholine receptor (nAChR) agonist, shows potent antiviral activity against the SARS-CoV-2 variants in cell culture with an IC50 of 0.04 μM .

SOLUBILITY

soluble in DMSO

REFERENCES

[1]. Quik M, et al. α4β2 Nicotinic receptors play a role in the nAChR-mediated decline in L-dopa-induced dyskinesias in parkinsonian rats. Neuropharmacology. 2013 Aug;71:191-203.