

Varenicline-D4 hydrochloride

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Varenicline-D4 hydrochloride is a deuterium-labeled form of Varenicline (dihydrochloride). Varenicline hydrochloride (T23502) acts as a partial agonist for the $\alpha 4\beta 2$ nicotinic acetylcholine receptor ($\alpha 4\beta 2$ nAChR), with an EC50 of 2.3 μ M. It serves as a full agonist for $\alpha 3\beta 4$ nAChR and $\alpha 7$ nAChR, with EC50 values of 55 μ M and 18 μ M, respectively. As a nicotine ligand based on a cytosine structure, Varenicline dihydrochloride is utilized in smoking cessation research.
Targets(IC50)	AChR

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