

Sofiniclin

Catalog No: tcsc6792



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 20mg



Specifications

CAS No:

799279-80-4

Formula:

$C_{10}H_{11}Cl_2N_3$

Pathway:

Neuronal Signaling;Membrane Transporter/Ion Channel

Target:

nAChR;nAChR

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

ABT 894

Observed Molecular Weight:

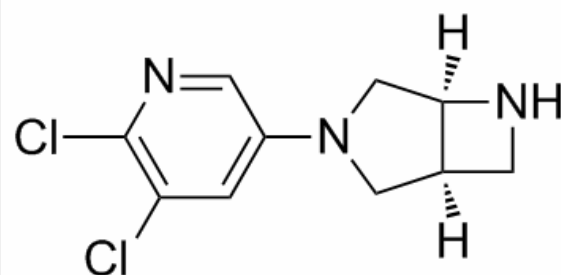
244.12

Product Description

Sofiniclin (ABT 894) is an agonist of **nicotinic acetylcholine receptor (nAChR)**, used as a potential non-stimulant treatment for attention-deficit/hyperactivity disorder (ADHD).

In Vitro: Sofiniclin is more potent than ABT-089 at both receptor subtypes, with K_i values of 1.9 nM for ^{125}I - α -conotoxinMII binding and of 1.3 nM for ^{125}I -epibatidine binding^[1].

In Vivo: Sofiniclin (0.001 to 0.10 mg/kg, p.o.) produces significant reductions in LIDs compared to vehicle monkey^[1]. Sofiniclin (0.1 mg/kg) does not decrease LIDs in monkeys with severe nigrostriatal damage^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!