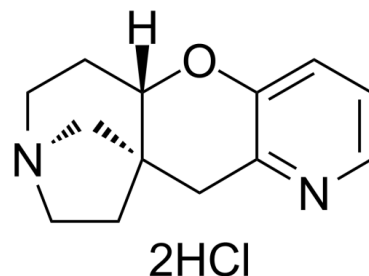


Data Sheet

Product Name:	Dianicline (dihydrochloride)
Cat. No.:	CS-0033105
CAS No.:	292634-27-6
Molecular Formula:	C ₁₃ H ₁₈ Cl ₂ N ₂ O
Molecular Weight:	289.20
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Solubility:	DMSO : 25 mg/mL (86.45 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Dianicline dihydrochloride is a **α4β2 nicotinic acetylcholine receptor** partial agonist, a class of drugs that includes varenicline and cytisine for smoking cessation. Dianicline dihydrochloride increases cessation rates in a dose-dependent manner^[1].

References:

[1]. Tonstad S, et al. Dianicline, a novel α4β2 nicotinic acetylcholine receptor partial agonist, for smoking cessation: a randomized placebo-controlled clinical trial. Nicotine Tob Res. 2011 Jan;13(1):1-6.

CAIndexNames:

7H,11H-8,10a-Methanopyrido[2',3':5,6]pyrano[2,3-d]azepine, 5a,6,9,10-tetrahydro-, dihydrochloride, (5aS,8S,10aR)- (9Cl)

SMILES:

[H][C@]1(CC[N@](CC2)C3)[C@]32CC4=NC=CC=C4O1.[2HCl]

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

Tel: 732-484-9848

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA