
Product Data Sheet

Product Name: Dianicline

Cat. No.: GC35858

Chemical Properties

Cas. No. 292634-27-6

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

Formula C₁₃H₁₆N₂O M.Wt 216.28

Solubility DMSO: 25 mg/mL (86.45 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Dianicline is a $\alpha 4\beta 2$ nicotinic acetylcholine receptor partial agonist, a class of drugs that includes varenicline and cytisine for smoking cessation. Dianicline increases cessation rates in a dose-dependent manner[1].

[1]. Tonstad S, et al. Dianicline, a novel $\alpha 4\beta 2$ nicotinic acetylcholine receptor partial agonist, for smoking cessation: a randomized placebo-controlled clinical trial. *Nicotine Tob Res.* 2011 Jan;13(1):1-6.

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

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