

Methyllycaconitine Citrate

Cat. No. CEI-1183

Lot. No. (See product label)

Introduction

Description

A potent antagonist highly selective for AChRs with $\alpha 7$ subunit ($K_i = 1.4$ nM for $\alpha 7$ subunit and > 40 nM for $\alpha 4\beta 2$ and $\alpha 6\beta 2$ receptors). Frequently used in assessing the functional roles of AChRs with $\alpha 7$ subunit in brain functions and disorders (i.e. inflammatory and chronic neuropathic pain and parkinsonian neurodegeneration).

Synonyms

AChR Receptor Antagonist, Methyllycaconitine Citrate, $\alpha 7\beta 2$ receptor Antagonist, Methyllycaconitine Citrate, Methyllycaconitine; $\alpha 7$ -Nicotinic Receptor Antagonist, Methyllycaconitine Citrate, Neuronal Nicotinic Receptor Antagonist, Methyllycaconitine Citrate

Product Information

Appearance

White solid

CAS No.

21019-30-7

Molecular Formula

C₃₇H₅₀N₂O₁₀·C₆H₈O₇

Purity

$>97\%$ by HPLC

Targets

$\alpha 7$ nAChR

Solubility

H₂O

Storage and Shipping Information

Storage

-20 centigrade

Stability

Following reconstitution, aliquot and freeze (-20°C). Stock solutions are stable for up to 3 months at -20°C.

Shipping Conditions

Shipped at Ambient Temperature or with Blue Ice or with Dry Ice