
Product Data Sheet

Product Name: Dihydraxidine

Cat. No.: GC35864

Chemical Properties

Cas. No. 123039-93-0

SMILES OC1=C(O)C=C(CC[C@]2([H])[C@]3([H])C4=C(C=CC=C4)CN2)C3=C1Formula C₁₇H₁₇NO₂ M.Wt 267.32

Solubility Soluble in DMSO 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**

Dihydraxidine (DAR-100) is a high potent, selective and full efficacy D1 dopamine receptor agonist with an IC₅₀ of 10 nM, and displays some affinity for the D2 receptor. Dihydraxidine (DAR-100) exhibits potent antiparkinsonian activity[1][2][3]. IC₅₀: 10 nM (D1 dopamine receptor)[1]

[1]. Lovenberg TW, et al. Dihydraxidine, a novel selective high potency full dopamine D-1 receptor agonist. Eur J Pharmacol. 1989 Jul 4;166(1):111-3. [2]. Mottola DM, et al. Dihydraxidine, a novel full efficacy D1 dopamine receptor agonist. J Pharmacol Exp Ther. 1992 Jul;262(1):383-93. [3]. Salmi P, et al. Dihydraxidine--the first full dopamine D1 receptor agonist. CNS Drug Rev. 2004 Fall;10(3):230-42.

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

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