

# ADDA 5 hydrochloride

Catalog No: tcsc0035404



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 25mg



## Specifications

**CAS No:**

473268-46-1

**Formula:**

$C_{24}H_{36}ClNO_2$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

406

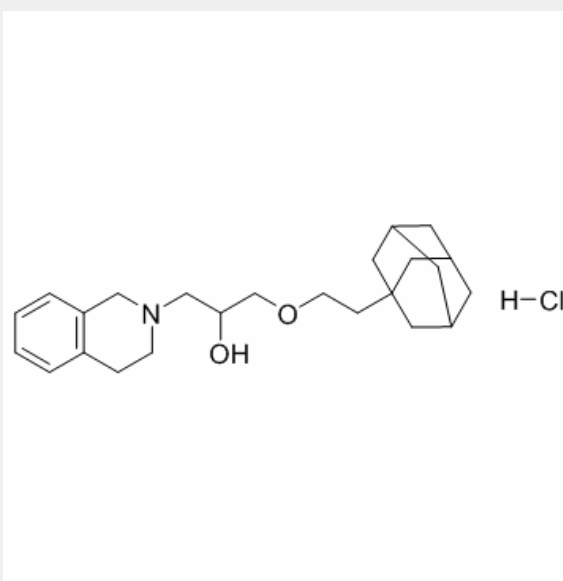
## Product Description

ADDA 5 hydrochloride is a partial non-competitive inhibitor of **cytochrome c oxidase (CcO)**, with **IC<sub>50</sub>**s of 18.93 μM and 31.82 μM for purified CcO from human glioma and bovine heart, respectively.

IC<sub>50</sub> & Target: IC<sub>50</sub>: 18.93  $\mu$ M (CcO, human glioma), 31.82  $\mu$ M (CcO, bovine heart)<sup>[1]</sup>

***In Vitro:*** ADDA 5 hydrochloride is a partial non-competitive inhibitor of CcO, with IC<sub>50</sub>s of 18.93  $\mu$ M and 31.82  $\mu$ M for purified CcO from human glioma and bovine heart, respectively. ADDA 5 inhibits CcO activity in UTMZ and Jx22-derived GSCs, with IC<sub>50</sub>s of 21.4  $\pm$  3.9  $\mu$ M and 15.5  $\pm$  2.8  $\mu$ M. ADDA 5 (25  $\mu$ M) shows a growth inhibitory effect on UTMZ cells, with an EC<sub>50</sub> of 8.17  $\mu$ M<sup>[1]</sup>.

***In Vivo:*** ADDA 5 (8 mg/kg, i.p.) significantly suppresses the growth of tumor in mice. ADDA 5 does not causes detectable toxicity at up to 80 mg/kg in mice<sup>[1]</sup>.



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