

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

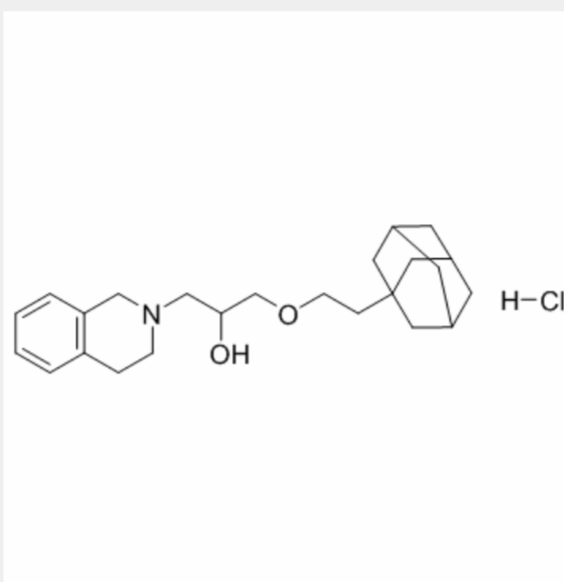
Product Description

ADDA 5 hydrochloride is a partial non-competitive inhibitor of **cytochrome c oxidase (CcO)**, with **IC₅₀s** of 18.93 μM and 31.82 μM for purified CcO from human glioma and bovine heart, respectively.

IC50 & Target: IC50: 18.93 μ M (CcO, human glioma), 31.82 μ M (CcO, bovine heart)^[1]

In Vitro: ADDA 5 hydrochloride is a partial non-competitive inhibitor of CcO, with IC₅₀s of 18.93 μ M and 31.82 μ M for purified CcO from human glioma and bovine heart, respectively. ADDA 5 inhibits CcO activity in UTMZ and Jx22-derived GSCs, with IC₅₀s of 21.4 \pm 3.9 μ M and 15.5 \pm 2.8 μ M. ADDA 5 (25 μ M) shows a growth inhibitory effect on UTMZ cells, with an EC₅₀ of 8.17 μ M^[1].

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^[1].



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