

LW6, Malate dehydrogenase inhibitor

Catalog	Unit
TBI4083-5MG	5 mg
TBI4083-25MG	25 mg

Product Details

Formal Name: Methyl 3-[[2-[4-(1-adamantyl)phenoxy]acetyl]amino]-4-hydroxybenzoate

Molecular Formula: C₂₆H₂₉NO₅

Formula Weight: 435.5

CAS Number: 934593-90-5

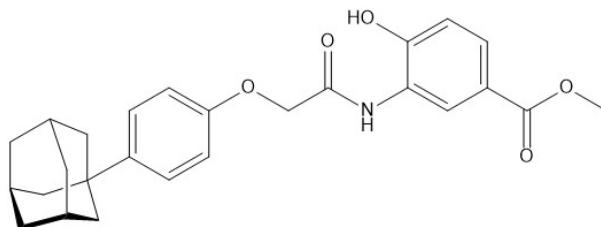
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Malate dehydrogenase inhibitor

Functions

Inhibitor of malate dehydrogenase (MDH) (IC₅₀'s: MDH1 = 1.1 μM; MDH2 = 6.3 μM). It inhibits Hypoxia-Inducible Factor-1 (HIF-1) by a variety of reported mechanisms. LW6 displayed antitumor properties in hepatocellular and pancreatic cancer cell lines. It promoted rat locomotor function after spinal cord injury via reduction of neuroinflammation.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.