
Catalog	Unit
TBI3881-5MG	5 mg
TBI3881-25MG	25 mg

Product Details

Formal Name: N-[4-(1H-Benzoimidazol-2-yl)-phenyl]-succinamic acid

Molecular Formula: C₁₇H₁₅N₃O₃

Formula Weight: 309.30

CAS Number: 27031-00-1

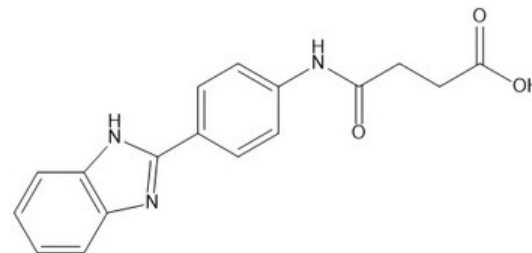
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO up to 50 mg/ml

Storage: -20°C

Stability: ≥ 1 year.



Applications

Mitochondrial glyceraldehyde-3-phosphate dehydrogenase inhibitor

Functions

A potent and cell permeable inhibitor of the mitochondrial glycerol-3-phosphate dehydrogenase (mGPDH), IC₅₀=6.3 μM, which is selective over the cytosolic enzyme. It does not block pyruvate uptake into cells or mitochondria and has no direct effect on glycolysis in synaptosomes. This novel inhibitor is a unique tool which may be used to investigate the role of glycerol-3-phosphate metabolism in isolated and intact systems.

Application Procedures

First dissolved in DMSO up to 50 mg/ml, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.